Supplementary Info

New molecular tools in *Neospora caninum* for studying apicomplexan parasite proteins

Caroline M. Mota\textsuperscript{a}, Allan L. Chen\textsuperscript{b}, Kevin Wang\textsuperscript{b},
Santhosh Nadipuram\textsuperscript{b}, Ajay A. Vashisht\textsuperscript{c}, James A. Wohlschlegel\textsuperscript{c},
Tiago W.P. Mineo\textsuperscript{a,} and Peter J. Bradley\textsuperscript{b,}\textsuperscript{d,}

Peter Bradley: pbradley@ucla.edu, +1 310 825-8386
Tiago Mineo: tiago.mineo@ufu.br, +55 34 3225-8666
Table S1. Oligonucleotide Primers used in this study as discussed in text.

| Name | Primer Sequence |
|------|-----------------|
| P1   | CTACACAGTCATGGAAACGTCG |
| P2   | TAGACACAAGTGCACTCTCG |
| P3   | ATG CAT AAA GGA GAA GAA CTT TTC AC |
| P4   | TTA ATT AAT TAT TTG TAT AGT TCA TCC AT |
| P5   | ATG CAT GTG AGC AAG GGC GAG GAG GA |
| P6   | TTA ATT AAC TAC TTG TAC AGC TCG TCC AT |
| P7   | ATG CAT GTG ACA ACA ACC ACG CCA AC |
| P8   | GCG GCC GCT GGA GTT ACC GCT GAT TGT GT |
| P9   | ATG CAT ATG AAA GTG ACC ACG AAA GGG |
| P10  | GCG GCC GCC ATC CGA TGT GAA GAA AGT TCG GTA GT |
| Rank | Description                                                                 | NcLivΔhpt | NcLiv_GRA15_BioID |
|------|------------------------------------------------------------------------------|-----------|------------------|
| 1    | Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4                                  | 1458,561  | 3814,362         |
| 2    | Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1                      | 1726,589  | 2463,049         |
| 3    | Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1...              | 1422,929  | 1743,118         |
| 4    | Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1...               | 1658,304  | 1391,243         |
| 5    | Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 S...              | 1424,427  | 1429,781         |
| 6    | Tubulin alpha-18 chain OS=Homo sapiens GN=TUBA18 PE=1 SV=1                 | 972,779   | 1015,945         |
| 7    | Tubulin alpha-1C chain OS=Homo sapiens GN=TUBA1C PE=1 SV=1                 | 945,593   | 994,958          |
| 8    | Tubulin beta chain OS=Homo sapiens GN=TUBB PE=1 SV=2                      | 916,398   | 1014,762         |
| 9    | Tubulin alpha-1A chain OS=Homo sapiens GN=TUBA1A PE=1 SV=1                 | 957,089   | 973,614          |
| 10   | Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=...              | 993,574   | 908,798          |
|      | 11 Tubulin alpha-4A chain OS=Homo sapiens GN=TUBA4A PE=1 SV=1               | 908,216   | 826,721          |
| 12   | Myosin-10 OS=Homo sapiens GN=MYH10 PE=1 SV=3                                | 556,856   | 1130,405         |
|      | 13 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial...            | 1439,638  | 73,372           |
| 14   | Actin, alpha cardiac muscle 1 OS=Homo sapiens GN=ACTC1 PE=1 ...              | 497,398   | 1002,673         |
| 15   | Tubulin alpha-8 chain OS=Homo sapiens GN=TUBA8 PE=1 SV=1                   | 772,234   | 671,809          |
| 16   | Tubulin beta-2C chain OS=Homo sapiens GN=TUBB2C PE=1 SV=1                  | 644,012   | 772,232          |
| 17   | Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2                           | 515,256   | 778,48           |
| 18   | Tubulin beta-4 chain OS=Homo sapiens GN=TUBB4 PE=1 SV=2                   | 613,588   | 679,375          |
|      | 19 Myosin-loc OS=Homo sapiens GN=MY01C PE=1 SV=3                            | 482,619   | 786,64           |
| 20   | Vimentin OS=Homo sapiens GN=VIM PE=1 SV=4                                  | 523,881   | 639,108          |
| 21   | Keratin, type I cytoskeletal 14 OS=Homo sapiens GN=KRT14 PE=...              | 644,653   | 517,73           |
| 22   | Tubulin beta-2A chain OS=Homo sapiens GN=TUBB2A PE=1 SV=1                  | 540,652   | 609,205          |
| 23   | Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=...             | 609,061   | 537,783          |
| 24   | Actin, alpha skeletal muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1             | 422,319   | 698,832          |
| 25   | Ubiquitin OS=Homo sapiens GN=RPS27A PE=1 SV=1                               | 465,539   | 653,123          |
| 26   | Keratin, type II cytoskeletal 6B OS=Homo sapiens GN=KRT6B PE=...             | 671,234   | 419,738          |
| 27   | Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=...             | 949,098   | 139,376          |
| 28   | Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens GN=...             | 528,074   | 501,503          |
| 29   | Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 S...               | 445,692   | 698,832          |
| 30   | Myosin-Id OS=Homo sapiens GN=MY01D PE=1 SV=2                                | 383,352   | 588,3            |
|      | 31 Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo...            | 910,946   | 54,314           |
| 32   | 60S ribosomal protein L18 OS=Homo sapiens GN=RPL18 PE=1 SV=2...               | 414,032   | 548,374          |
| 33   | 40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=1 SV=2...                 | 442,262   | 495,639          |
| 34   | Pyruvate kinase isozymes M1/M2 OS=Homo sapiens GN=PKM2 PE=1 ...              | 446,426   | 498,878          |
| 35   | Tubulin beta-6 chain OS=Homo sapiens GN=TUBB6 PE=1 SV=1                    | 428,379   | 470,861          |
| 36   | 60S ribosomal protein L4 OS=Homo sapiens GN=RPL4 PE=1 SV=5                  | 314,865   | 581,234          |
| 37   | 60S ribosomal protein L18a OS=Homo sapiens GN=RPL18A PE=1 SV=1              | 301,542   | 585,756          |
| 38   | Tubulin beta-3 chain OS=Homo sapiens GN=TUBB3 PE=1 SV=2                    | 440,296   | 441,221          |
| 39   | 60S ribosomal protein L3 OS=Homo sapiens GN=RPL3 PE=1 SV=2                  | 324,837   | 549,526          |
| 40   | 60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3               | 309,906   | 557,411          |
| 41   | 60S ribosomal protein L7 OS=Homo sapiens GN=RPL7 PE=1 SV=1                  | 413,729   | 446,49           |
| 42   | Annexin A2 OS=Homo sapiens GN=ANXA2 PE=1 SV=2                              | 386,164   | 473,059          |
| 43   | Keratin, type II cytoskeletal 6A OS=Homo sapiens GN=KRT6A PE=...             | 457,945   | 379,118          |
| 44   | Keratin, type II cytoskeletal 6C OS=Homo sapiens GN=KRT6C PE=...             | 451,671   | 379,118          |
| 45   | 60S ribosomal protein L6 OS=Homo sapiens GN=RPL6 PE=1 SV=3                 | 270,271   | 543,711          |
| 46   | Tropomyosin-alpha-4 chain OS=Homo sapiens GN=TPM4 PE=1 SV=3                | 256,797   | 554,263          |
| 47   | Keratin, type II cytoskeletal 5 OS=Homo sapiens GN=KRT5 PE=...               | 425,771   | 375,354          |
| 48   | Myosin light polypeptide 6 OS=Homo sapiens GN=MYL6 PE=1 SV=2...             | 421,759   | 379,297          |
| 49   | 60S ribosomal protein L36a-like OS=Homo sapiens GN=RPL36AL PE=...            | 433,917   | 324,192          |
| 50   | Actin-related protein 2/3 complex subunit 2 OS=Homo sapiens ...             | 235,873   | 509,101          |
| 51   | Profilin-1 OS=Homo sapiens GN=PFN1 PE=1 SV=2                               | 353,809   | 381,826          |
| 52   | Galectin-1 OS=Homo sapiens GN=LGALS1 PE=1 SV=2                              | 471,746   | 254,551          |
| 53   | 60S ribosomal protein L36a OS=Homo sapiens GN=RPL36A PE=1 SV=...             | 400,539   | 324,192          |
| 54   | 60S ribosomal protein L15 OS=Homo sapiens GN=RPL15 PE=1 SV=2...              | 346,872   | 374,339          |
55 60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3...
56 Annexin A5 OS=Homo sapiens GN=ANXA5 PE=1 SV=2...
57 Cofilin-1 OS=Homo sapiens GN=CFNL1 PE=1 SV=3
58 40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=1 SV=2...
59 Keratin, type I cytoskeletal 16 OS=Homo sapiens GN=KRT16 PE=...
60 40S ribosomal protein S24 OS=Homo sapiens GN=RPS24 PE=1 SV=1...
61 40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2
62 60S ribosomal protein L10 OS=Homo sapiens GN=RPL10 PE=1 SV=4...
63 60S ribosomal protein L35 OS=Homo sapiens GN=RPL35 PE=1 SV=2...
64 Protein S100-A4 OS=Homo sapiens GN=S100A4 PE=1 SV=1
65 60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV...
66 60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV...
67 40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1...
68 Alpha-1-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2
69 40S ribosomal protein S4, X isofrom OS=Homo sapiens GN=RPS4X...
70 Ras-related protein Rap-1b OS=Homo sapiens GN=RAP1B PE=1 SV...
71 60S ribosomal protein L38 OS=Homo sapiens GN=RPL38 PE=1 SV=2...
72 Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1
73 40S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4...
74 60S ribosomal protein L7a OS=Homo sapiens GN=RPL7A PE=1 SV=2...
75 60S ribosomal protein L9 OS=Homo sapiens GN=RPL9 PE=1 SV=1...
76 40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3...
77 60S ribosomal protein L27 OS=Homo sapiens GN=RPL27 PE=1 SV=2...
78 Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens GN=PPI...
79 Cofilin-2 OS=Homo sapiens GN=CFL2 PE=1 SV=1...
80 40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2...
81 Elongation factor 2 OS=Homo sapiens GN=EEF2 PE=1 SV=4
82 60S ribosomal protein L5 OS=Homo sapiens GN=RPL5 PE=1 SV=3
83 NADH-cytochrome b5 reductase 3 OS=Homo sapiens GN=CYB5R3 PE=...
84 40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3...
85 60S ribosomal protein L23 OS=Homo sapiens GN=RPL23 PE=1 SV=1...
86 60S ribosomal protein L27a OS=Homo sapiens GN=RPL27A PE=1 SV=
87 40S ribosomal protein S23 OS=Homo sapiens GN=RPS23 PE=1 SV=3...
88 40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3...
89 40S ribosomal protein S28 OS=Homo sapiens GN=RPS28 PE=1 SV=1...
90 40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=1 SV=
91 Myosin-1b OS=Homo sapiens GN=MYO1B PE=1 SV=3
92 Vestigial reductase family 1 member C1 OS=Homo sapiens GN=AK...
93 Actin-related protein 2 OS=Homo sapiens GN=ACTR2 PE=1 SV=1
94 40S ribosomal protein L5b OS=Homo sapiens GN=RPL5B PE=1 SV=3...
95 Actin-related protein 1/2 complex subunit 4 OS=Homo sapiens ...
96 40S ribosomal protein L24 OS=Homo sapiens GN=RPL24 PE=1 SV=1...
97 Asparagine-linked protein 1 OS=Homo sapiens GN=RPL1 OS=Homo sapiens GN=AGAL1 PE=1 SV=2
98 40S ribosomal protein L32 OS=Homo sapiens GN=RPL32 PE=1 SV=2...
99 40S ribosomal protein L24 OS=Homo sapiens GN=RPL24 PE=1 SV=1...
100 ADP-ribosylation factor 1 OS=Homo sapiens GN=ARF1 PE=1 SV=2...
101 Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=...
102 40S ribosomal protein L35a OS=Homo sapiens GN=RPL35A PE=1 SV=
103 14-3-3 protein delta OS=Homo sapiens GN=YWHAD PE=1 SV=1...
104 Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=2...
105 Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4
106 40S ribosomal protein L8 OS=Homo sapiens GN=RPL8 PE=1 SV=2...
107 Ferritin heavy chain OS=Homo sapiens GN=FTH1 PE=1 SV=2
108 Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=2...
109 Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4
110 60S ribosomal protein L8 OS=Homo sapiens GN=RPL8 PE=1 SV=2...
| Gene Name | Description | OS | GN | PE | SV | Location |
|-----------|-------------|----|----|----|----|----------|
| Actin-related protein 3 | OS=Homo sapiens GN=ACTR3 | PE=1 | SV=3 | 143,894 | 255,768 |
| Annexin A1 | OS=Homo sapiens GN=ANXA1 | PE=1 | SV=2 | 173,837 | 220,709 |
| Actin-related protein 2/3 complex subunit 3 | OS=Homo sapiens ... | | | 218,646 | 171,607 |
| Ras-related protein Rab-7a | OS=Homo sapiens GN=RAB7A | PE=1 | SV=3 | 222,199 | 166,011 |
| Annexin A6 | OS=Homo sapiens GN=ANXA6 | PE=1 | SV=3 | 184,002 | 198,572 |
| GTP-binding protein SAR1a | OS=Homo sapiens GN=SAR1A | PE=1 | SV=1 | 285,907 | 96,421 |
| 405 ribosomal protein S4, Y isoform 1 | OS=Homo sapiens GN=RPS4 | PE=1 | | 161,434 | 217,771 |
| Barrier-to-autointegration factor OS=Homo sapiens GN=BAIF1 | PE=1 | | | 119,262 | 257,411 |
| Sequestosome-1 | OS=Homo sapiens GN=SQSTM1 | PE=1 | SV=1 | 144,74 | 225,624 |
| 605 ribosomal protein L21 | OS=Homo sapiens GN=RPL21 | PE=1 | SV=2 | 199,018 | 167,049 |
| Ras-related protein Rab-1A | OS=Homo sapiens GN=RAB1A | PE=1 | SV=3 | 138,072 | 223,508 |
| 14-3-3 protein beta | OS=Homo sapiens GN=YWHAB | PE=1 | SV=3 | 158,207 | 201,778 |
| Heat shock cognate 71 kDa protein | OS=Homo sapiens GN=HSPA8 | PE=1 | SV=1 | 147,877 | 206,872 |
| Keratin, type II cytoskeletal 75 | OS=Homo sapiens GN=KRT75 | PE=1 | | 173,373 | 180,172 |
| 405 ribosomal protein S2 | OS=Homo sapiens GN=RPS2 | PE=1 | SV=2 | 169,056 | 182,442 |
| 605 ribosomal protein L34 | OS=Homo sapiens GN=RPL34 | PE=1 | SV=1 | 120,96 | 228,443 |
| Thioredoxin OS=Homo sapiens GN=TXN | PE=1 | SV=3 | 202,177 | 145,457 |
| Transforming protein RhOa | OS=Homo sapiens GN=RHOA | PE=1 | SV=1 | 146,657 | 197,837 |
| 605 ribosomal protein L14 | OS=Homo sapiens GN=RPL14 | PE=1 | SV=4 | 148,106 | 195,353 |
| Ras-related protein Rab-5C | OS=Homo sapiens GN=RAB5C | PE=1 | SV=3 | 147,421 | 194,448 |
| 605 ribosomal protein L26 | OS=Homo sapiens GN=RPL26 | PE=1 | SV=1 | 97,603 | 236,995 |
| Protein disulfide-isomerase A3 | OS=Homo sapiens GN=PDIA3 | PE=1 | SV=1 | 175,153 | 158,779 |
| Myosin-Va OS=Homo sapiens GN=MYOS3 | PE=1 | SV=1 | 127,791 | 199,661 |
| Tropomyosin beta chain | OS=Homo sapiens GN=TPM2 | PE=1 | SV=1 | 124,581 | 201,669 |
| Peroxiredoxin-6 OS=Homo sapiens GN=PRDX6 | PE=1 | SV=3 | 169,541 | 136,366 |
| 605 ribosomal protein L22 | OS=Homo sapiens GN=RPL22 | PE=1 | SV=2 | 110,565 | 208,811 |
| 405 ribosomal protein S18 | OS=Homo sapiens GN=RPS18 | PE=1 | SV=3 | 139,662 | 175,841 |
| 405 ribosomal protein S13 | OS=Homo sapiens GN=RPS13 | PE=1 | SV=2 | 187,449 | 126,432 |
| Triosephosphate isomerase OS=Homo sapiens GN=TP1 | PE=1 | SV=2 | 142,092 | 168,678 |
| LIM and SH3 domain protein 1 | OS=Homo sapiens GN=LASP1 | PE=1 | SV=1 | 162,671 | 146,293 |
| 405 ribosomal protein S27 | OS=Homo sapiens GN=RPS27 | PE=1 | SV=3 | 126,36 | 181,822 |
| Peroxiredoxin-2 OS=Homo sapiens GN=PRDX2 | PE=1 | SV=5 | 125,084 | 173,557 |
| EH domain-containing protein 2 | OS=Homo sapiens GN=EHD2 | PE=1 | ... | 143,348 | 154,699 |
| Fascin OS=Homo sapiens GN=FSCN1 | PE=1 | SV=3 | 157,887 | 139,409 |
| Alpha-actinin-1 | OS=Homo sapiens GN=ACTN1 | PE=1 | SV=2 | 146,759 | 149,82 |
| Myosin-11 OS=Homo sapiens GN=MYH11 | PE=1 | SV=3 | 120,209 | 172,325 |
| Ras-related protein Rab-14 | OS=Homo sapiens GN=RAB14 | PE=1 | SV=3 | 148,106 | 142,075 |
| Actin-related protein 2/3 complex subunit 1B | OS=Homo sapiens ... | | | 95,11 | 195,019 |
| 405 ribosomal protein SA | OS=Homo sapiens GN=RPSA | PE=1 | SV=4 | 119,935 | 266,262 |
| Tropomodulin-1 OS=Homo sapiens GN=TMD1 | PE=1 | SV=1 | 147,831 | 138,266 |
| Eukaryotic translation initiation factor 5A-2 OS=Homo sapiens ... | | | | 207,041 | 74,478 |
| Myosin regulatory light chain 12B | OS=Homo sapiens GN=MYL12B | ... | | 103,151 | 178,111 |
| Protein S100-A11 OS=Homo sapiens GN=S100A11 | PE=1 | SV=2 | 134,784 | 145,457 |
| Eukaryotic initiation factor 4A-I OS=Homo sapiens GN=EIF4A1 | ... | | | 148,147 | 131,664 |
| Ras-related protein Rab-2A | OS=Homo sapiens GN=RAB2A | PE=1 | SV=3 | 116,824 | 162,096 |
| Long-chain-fatty-acid-CoA ligase 4 OS=Homo sapiens GN=ACSL4 | ... | | | 124,406 | 150,367 |
| Calcium/calmodulin-dependent protein kinase type II subunit ... | ... | | | 106,356 | 168,34 |
| Aldo-keto reductase family 1 member C3 OS=Homo sapiens GN=AKR1 ... | ... | | | 120,492 | 153,676 |
| Keratin, type II cytoskeletal 3 OS=Homo sapiens GN=KRT3 | PE=1 | ... | 146,249 | 127,478 |
| Gelsolin OS=Homo sapiens GN=GSN | PE=1 | SV=1 | 135,732 | 136,715 |
| Ras-related protein R-Ras OS=Homo sapiens GN=RRAS | PE=1 | SV=1 | 129,838 | 140,12 |
| 14-3-3 protein theta OS=Homo sapiens GN=YWHAQ | PE=1 | SV=1 | 144,412 | 124,678 |
| Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=... | ... | | | 123,902 | 141,142 |
| 605 ribosomal protein L19 | OS=Homo sapiens GN=RPL19 | PE=1 | SV=1 | 108,309 | 155,847 |
| Cystatin-B OS=Homo sapiens GN=GSTB PE=1 | SV=2 | | | 108,309 | 155,847 |
| Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC | PE=1 | SV=5 | 133,075 | 129,935 |
| Peroxiredoxin-5, mitochondrial OS=Homo sapiens GN=PRDX5 | PE=1 | ... | 132,265 | 124,896 |
169 Plasminogen activator inhibitor 2 OS=Homo sapiens GN=SERPINB...
170 Kinesin-1 heavy chain OS=Homo sapiens GN=KIF5B PE=1 SV=1
171 Ankyorbins OS=Homo sapiens GN=RAI14 PE=1 SV=2
172 Transgelin-2 OS=Homo sapiens GN=TAGLN2 PE=1 SV=3
173 Heat shock protein HSP 90-alpha OS=Homo sapiens GN=HSP90AA1...
174 GFP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1...
175 Protein S100-A6 OS=Homo sapiens GN=S100A6 PE=1 SV=1
176 6-phosphofructokinase type C OS=Homo sapiens GN=PFKP PE=1 SV=...
177 Herminin OS=Homo sapiens GN=HRNR PE=1 SV=2
178 Plectin-1 OS=Homo sapiens GN=PLEC1 PE=1 SV=3
179 Alpha-actinin-4 OS=Homo sapiens GN=ACTN4 PE=1 SV=2
180 Keratin, type II cytoskeletal 79 OS=Homo sapiens GN=KRT79 PE=...
181 ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=...
182 Phosphoglycerate kinase 1 OS=Homo sapiens GN=PGK1 PE=1 SV=3
183 Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=...
184 Tropomodulin-3 OS=Homo sapiens GN=TMOD3 PE=1 SV=1
185 Serpin H1 OS=Homo sapiens GN=SERPINH1 PE=1 SV=2
186 Myosin-VI OS=Homo sapiens GN=MYO6 PE=1 SV=4
187 Acetyl-CoA carboxylase 1 OS=Homo sapiens GN=ACACA PE=1 SV=2
188 ADP-ribosylation factor 4 OS=Homo sapiens GN=ARF4 PE=1 SV=3
189 60S ribosomal protein L31 OS=Homo sapiens GN=RPL31 PE=1 SV=1...
190 Heat shock-related 70 kDa protein 2 OS=Homo sapiens GN=HSPA2...
191 Heat shock protein beta-6 OS=Homo sapiens GN=HSPB6 PE=1 SV=2...
192 Rho-related GTP-binding protein RhoG OS=Homo sapiens GN=RHOG...
193 405 ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=1 SV=1
194 Cytoskeleton-associated protein 4 OS=Homo sapiens GN=CAP4 P...
195 T-complex protein 1 subunit beta OS=Homo sapiens GN=CCT2 PE=...
196 Rho-related GTP-binding protein RhoC OS=Homo sapiens GN=RHOC...
197 Dermcidin OS=Homo sapiens GN=DCD PE=1 SV=2
198 Heterogeneous nuclear ribonucleoprotein A3 OS=Homo sapiens G...
199 Staphylococcal nuclease domain-containing protein 1 OS=Homo ...
200 14-3-3 protein gamma OS=Homo sapiens GN=YWHAG PE=1 SV=2
201 2',3'-cyclic-nucleotide 3'-phosphodiesterase OS=Homo sapiens...
202 Destrin OS=Homo sapiens GN=DESTN PE=1 SV=3
203 Glycyl-rRNA synthetase OS=Homo sapiens GN=GARS PE=1 SV=2
204 Elongation factor Tu, mitochondrial OS=Homo sapiens GN=TUFM ...
205 405 ribosomal protein S17 OS=Homo sapiens GN=RPS17 PE=1 SV=2...
206 405 ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=1 SV=4
207 ADP/ATP translocase 3 OS=Homo sapiens GN=SLC25A6 PE=1 SV=4
208 Fibrinogen OS=Homo sapiens GN=F1N PE=1 SV=3
209 Chloride intracellular channel protein 1 OS=Homo sapiens GN=...
210 Dynein light chain 1, cytoplasmic OS=Homo sapiens GN=DYNLL1...
211 WD repeat-containing protein 1 OS=Homo sapiens GN=WDR1 PE=1 ...
212 265 protease regulatory subunit 7 OS=Homo sapiens GN=PRM2 P...
213 Glutathione S-transferase kappa 1 OS=Homo sapiens GN=GSTM1 P...
214 Bifunctional purine biosynthesis protein PURH OS=Homo sapien...
215 Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=...
216 Tubulin beta-8 chain OS=Homo sapiens GN=TUBB8 PE=1 SV=2
217 Drebrin OS=Homo sapiens GN=DBN1 PE=1 SV=4
218 Histone H2B type 1-K OS=Homo sapiens GN=HIST1H2BK PE=1 SV=3...
219 Keratin, type I cytoskeletal 17 OS=Homo sapiens GN=KRT17 PE=...
220 Programmed cell death 6-interacting protein OS=Homo sapiens...
221 Ras-related protein Rab-5B OS=Homo sapiens GN=RAB5B PE=1 SV=...
222 Adenine phosphoryltransferase OS=Homo sapiens GN=APRT PE=...
223 Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=...
224 UDP-glucose 6-dehydrogenase OS=Homo sapiens GN=UGDH PE=1 SV=...
225 Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3
226 Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN...
  116,321  83,688
227 Coatamer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2
  83,827  115,421
228 ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN...
  108,766  89,76
229 Moeisin OS=Homo sapiens GN=MSN PE=1 SV=3
  85,846  112,496
230 26S protease regulatory subunit 8 OS=Homo sapiens GN=PSMC5 P...
  113,289  84,641
231 Glucose-6-phosphate isomerase OS=Homo sapiens GN=GPI PE=1 SV=...
  95,11  102,641
232 6-phosphofructokinase, liver type OS=Homo sapiens GN=PFKL PE=...
  99,792  97,904
233 Coronin-1C OS=Homo sapiens GN=CORO1C PE=1 SV=1
  52,25  144,997
234 ADP-ribosylation factor 5 OS=Homo sapiens GN=ARF5 PE=1 SV=2
  196,561 0
235 ATP-citrate synthase OS=Homo sapiens GN=AICY PE=1 SV=3
  106,046  90,168
236 Endoplasmic OS=Homo sapiens GN=HSP90B1 PE=1 SV=1
  105,746  90,345
237 Protein disulfide-isomerase OS=Homo sapiens GN=P4HB PE=1 SV=...
  90,542  105,228
238 L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1...
  149,197  46,003
239 ADP-ribosylation factor-like protein 8B OS=Homo sapiens GN=... 133,154  61,585
240 DNA homolog subfamily A member 1 OS=Homo sapiens GN=DNAJA1 ...
  98,033  96,178
241 Integrin-linked protein kinase OS=Homo sapiens GN=ILK PE=1 S...
  109,587  84,475
242 Nicotinamide phosphoribosyltransferase OS=Homo sapiens GN=NA...
  122,5  69,988
243 X-ray repair cross-complementing protein 6 OS=Homo sapiens G...
  104,574  87,776
244 Nucleoside diphosphate kinase B OS=Homo sapiens GN=NM22 PE=1...
  116,385  75,36
245 26S protease regulatory subunit 10B OS=Homo sapiens GN=PSMC...
  72,763  117,787
246 Guanine nucleotide-binding protein G(1) subunit alpha-2 OS=H...
  59,799  129,068
247 Membrane-associated progestrone receptor component 1 OS=Horm...
  108,864  78,323
248 Cytoplasmic dynein 1 heavy chain 1 OS=Homo sapiens GN=DYN1H...
  90,623  96,155
249 Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens GN...
  89,68  96,781
250 Aldo-keto reductase family 1 member C2 OS=Homo sapiens GN=AK...
  186,215  0
251 Guaninenucleotide-binding protein subunit beta-2-like 1 OS=H...
  89,289  96,36
252 Junction plakoglobin OS=Homo sapiens GN=JUP PE=1 SV=3
  142,474  41,001
253 Ras-related protein Rab-3B OS=Homo sapiens GN=RAB3B PE=1 SV=...
  113,09  69,67
254 Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3
  122,594  69,988
255 Splicing factor, arginine/serine-rich 3 OS=Homo sapiens GN=S...
  64,721  116,41
256 T-complex protein 1 subunit alpha OS=Homo sapiens GN=TCP1 PE=...
  76,362  103,011
257 Nucleosome assembly protein 1-like 1 OS=Homo sapiens GN=NAP1...
  81,439  97,654
258 1,4-alpha-glucan-branching enzyme OS=Homo sapiens GN=GBE1 PE...
  80,64  97,904
259 KN motif and ankyrin repeat domain-containing protein 2 OS=H...
  78,994  98,709
260 Alcohol dehydrogenase class-3 OS=Homo sapiens GN=ADH5 PE=1 S...
  85,141  91,883
261 Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens G...
  104,621  71,849
262 Aspartyl-IRNA synthetase, cytoplasmic OS=Homo sapiens GN=... 91,807  83,834
263 Tropomyosin alpha-1 chain OS=Homo sapiens GN=TPM1 PE=1 SV=2
  76,362  103,011
264 Ras-related C3 botulinum toxin substrate 1 OS=Homo sapiens G...
  92,138  79,547
265 Dihydrodymrinidinase-related 2 OS=Homo sapiens GN=DFRPA PE=1...
  111,339  60,077
266 Ras-related protein Rab-5A OS=Homo sapiens GN=RAB5A PE=1 SV=...
  82,281  88,797
267 Stress-70 protein, mitochondrial OS=Homo sapiens GN=HSPA9 PE=... 114,636  56,234
268 Glucose-6-phosphate 1-dehydrogenase OS=Homo sapiens GN=G6PD ...
  96,161  74,141
269 ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=6
  118,728  51,252
270 Isocitrate dehydrogenase [NADP] cytoplasmic OS=Sapiens ... 68,369  101,451
271 NADH-cytochrome b5 reductase 1 OS=Homo sapiens GN=CYB5R1 PE=... 69,602  100,151
272 Peptidyl-prolyl cis-trans isomerase B OS=Homo sapiens GN=PII...
  98,28  70,708
273 Elongation factor 1-gamma OS=Homo sapiens GN=EFG1G PE=1 SV=3...
  72,667  96,112
274 60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3...
  168,481  0
275 Fatty acid-binding protein, heart OS=Homo sapiens GN=FABP3 P...
  53,204  114,908
276 Rho GTPase-activating protein 1 OS=Homo sapiens GN=ARHGAP1 P...
  88,654  78,279
277 Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=...
  69,569  96,529
278 Keratin, type I cytoskeletal 15 OS=Homo sapiens GN=KRT15 PE=... 124,144  41,867
279 Filamin-C OS=Homo sapiens GN=FLNC PE=1 SV=3
  88,29  77,066
280 Ras-related protein Rab-10 OS=Homo sapiens GN=RAB10 PE=1 SV=...
  88,452  76,365
281 Peroxisomal multifunctional enzyme type 2 OS=Homo sapiens GN...
  81,722  83,006
282 UPF0568 protein C1orf166 OS=Homo sapiens GN=C1orf166 PE=1 ... 101,503  62,594
| Gene Name | Description | OS | GN | PE | SV |
|-----------|-------------|----|-----|----|----|
| ATP synthase subunit beta | mitochondrial | Homo sapiens | ZYX | PE=1 | SV=1 |
| Syntenin-1 | | Homo sapiens | SDCBP | PE=1 | SV=1 |
| Nicotinamide N-methyltransferase | | Homo sapiens | NNMT | PE=1 | SV=1 |
| Nucleoside-triphosphatase C1orf57 | | Homo sapiens | C1orf57 | PE=1 | SV=1 |
| 60S ribosomal protein L26-like 1 | | Homo sapiens | RPL26L1 | PE=1 | SV=1 |
| GTPase HRas | | Homo sapiens | HRAS | PE=1 | SV=1 |
| Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma | | Homo sapiens | GNAS | PE=1 | SV=1 |
| Heterogeneous nuclear ribonucleoprotein H2 | | Homo sapiens | SNRPD1 | PE=1 | SV=1 |
| ADP-ribosylation factor-like protein 2 | | Homo sapiens | ARHGEF17 | PE=1 | SV=1 |
| GTP-binding protein Rheb | | Homo sapiens | RHEB | PE=1 | SV=1 |
| Thioredoxin-dependent peroxide reductase, mitochondrial | | Homo sapiens | TXNDC5 | PE=1 | SV=1 |
| Utrophin | | Homo sapiens | UTRN | PE=1 | SV=2 |
| Membrane-associated progesterone receptor component 2 | | Homo sapiens | GAPDH | PE=1 | SV=1 |
| Lanosterol 14-alpha demethylase | | Homo sapiens | CYP51A1 | PE=1 | SV=1 |
| ADP-ribosylation factor-like protein 1 | | Homo sapiens | ARHGEF10 | PE=1 | SV=1 |
| Spliceosome RNA helicase BAT1 | | Homo sapiens | BAT1 | PE=1 | SV=2 |
| Keratin, type II cytoskeletal 4 | | Homo sapiens | KRT4 | PE=1 | SV=1 |
| ADP-ribosylation factor-like protein 2 | | Homo sapiens | ARHGEF17 | PE=1 | SV=1 |
| DDX3Y | | Homo sapiens | DDX3Y | PE=1 | SV=1 |
| FYVE and coiled-coil domain-containing protein 1 | | Homo sapiens | FYVE | PE=1 | SV=1 |
| Sulfide:quinone oxidoreductase, mitochondrial | | Homo sapiens | SQO | PE=1 | SV=1 |
| Propionyl-CoA carboxylase beta chain, mitochondrial | | Homo sapiens | ACC | PE=1 | SV=1 |
| 26S proteasome non-ATPase regulatory subunit 11 | | Homo sapiens | PSMD11 | PE=1 | SV=1 |
| Estradiol 17-beta-dehydrogenase 12 | | Homo sapiens | HSD17B12 | PE=1 | SV=1 |
| 60S ribosomal protein L11 | | Homo sapiens | RPL11 | PE=1 | SV=2 |
| Alanyl-tRNA synthetase, cytoplasmic | | Homo sapiens | AARS | PE=1 | SV=1 |
| Nucleosome assembly protein 1-like 4 | | Homo sapiens | NAP1L4 | PE=1 | SV=1 |
| LAIR-1RNA synthetase, cytoplasmic | | Homo sapiens | LAIR-1 | PE=1 | SV=1 |
| 60S ribosomal protein L1 | | Homo sapiens | RPL1 | PE=1 | SV=2 |
| Estradiol 17-beta-dehydrogenase 12 | | Homo sapiens | HSD17B12 | PE=1 | SV=1 |
| FERM domain-containing protein 6 | | Homo sapiens | FERM6 | PE=1 | SV=1 |
| 26S proteasome non-ATPase regulatory subunit 11 | | Homo sapiens | PSMD11 | PE=1 | SV=1 |
| Propionyl-CoA carboxylase beta chain, mitochondrial | | Homo sapiens | ACC | PE=1 | SV=1 |
| Sulfide:quinone oxidoreductase, mitochondrial | | Homo sapiens | SQO | PE=1 | SV=1 |
| Spliceosome RNA helicase BAT1 | | Homo sapiens | BAT1 | PE=1 | SV=1 |
| serine/threonine-protein phosphatase PP1-beta catalytic subunit | | Homo sapiens | PP1 | PE=1 | SV=1 |
| ADP-ribosylation factor-like protein 1 | | Homo sapiens | ARHGEF17 | PE=1 | SV=1 |
| Lanosterol 14-alpha demethylase | | Homo sapiens | CYP51A1 | PE=1 | SV=1 |
| Membrane-associated progesterone receptor component 2 | | Homo sapiens | GAPDH | PE=1 | SV=1 |
| Uroporphyrinogen III synthase | | Homo sapiens | UROS | PE=1 | SV=1 |
| Thioredoxin-dependent peroxide reductase, mitochondrial | | Homo sapiens | TXNDC5 | PE=1 | SV=1 |
| GTP-binding protein Rheb | | Homo sapiens | RHEB | PE=1 | SV=1 |
| ADP-ribosylation factor-like protein 2 | | Homo sapiens | ARHGEF17 | PE=1 | SV=1 |
| Heterogeneous nuclear ribonucleoprotein H2 | | Homo sapiens | HNRNPH2 | PE=1 | SV=1 |
| Guanine nucleotide-binding protein G(i)/G(s)/G(o) subunit gamma | | Homo sapiens | GNAS | PE=1 | SV=1 |
| GTPase HRas | | Homo sapiens | HRAS | PE=1 | SV=1 |
| 60S ribosomal protein L26-like 1 | | Homo sapiens | RPL26L1 | PE=1 | SV=1 |
| Nucleoside-triphosphatase C1orf57 | | Homo sapiens | C1orf57 | PE=1 | SV=1 |
| Nicotinamide N-methyltransferase | | Homo sapiens | NNMT | PE=1 | SV=1 |
| Syntenin-1 | | Homo sapiens | SDCBP | PE=1 | SV=1 |
| Zyxin | | Homo sapiens | ZYX | PE=1 | SV=1 |
454 78 kDa glucose-regulated protein OS=Homo sapiens GN=HSPA5 PE=... 43,279 52,545
455 40S ribosomal protein S27a OS=Homo sapiens GN=RPS27A PE=1 SV=... 0 95,456
456 Copine-3 OS=Homo sapiens GN=CPNE3 PE=1 SV=1 52,709 42,662
457 Dual specificity mitogen-activated protein kinase kinase 3 OS=... 50,981 44,015
458 Septin-9 OS=Homo sapiens GN=SEPT9 PE=1 SV=2 36,226 58,642
459 Thioredoxin domain-containing protein 5 OS=Homo sapiens GN=T... 49,14 44,193
460 Coatamer subunit delta OS=Homo sapiens GN=ARNPC1 PE=1 SV=1 48,467 44,833
461 Ras-related protein Rab-23 OS=Homo sapiens GN=RAB23 PE=1 SV=... 44,786 48,332
462 UMP-CMP kinase OS=Homo sapiens GN=CMKP1 PE=1 SV=3 54,154 38,962
463 RNA-binding protein with multiple splicing OS=Homo sapiens G... 54,154 38,962
464 Guanine nucleotide-binding protein G(q) subunit alpha OS=Homo... 39,422 53,179
465 Guanine nucleotide-binding protein G(s) subunit alpha isoform... 44,504 48,028
466 Ubiquitin-conjugating enzyme E2 L3 OS=Homo sapiens GN=UBE2L3... 91,899 0
467 Phosphate carrier protein, mitochondrial OS=Homo sapiens GN=... 39,095 52,738
468 Bifunctional aminocarboxy-ribosyl transferase OS=Homo sapiens GN=EP... 53,82 37,88
469 Mitogen-activated protein kinase 1 OS=Homo sapiens GN=MAPK12... 49,14 42,425
470 Ran-specific GTPase-activating protein OS=Homo sapiens GN=RA... 52,807 37,993
471 Ras-related protein Rab-9A OS=Homo sapiens GN=RAB9A PE=1 SV=... 52,807 37,993
472 Protein disulfide-isomerase A6 OS=Homo sapiens GN=PDIA6 PE=1... 64,329 26,034
473 Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE... 58,32 31,364
474 Serpin B8 OS=Homo sapiens GN=SERPINB8 PE=1 SV=2 28,38 61,255
475 6-phosphofructokinase, muscle type OS=Homo sapiens GN=PFD1 P... 45,36 44,057
476 Angiotensin-like protein 1 OS=Homo sapiens GN=AMOTL1 PE=1 SV=... 33,308 55,916
477 ELAV-like protein 1 OS=Homo sapiens GN=ELAVL1 PE=1 SV=2 65,118 23,425
478 Glucosamine--fructose-6-phosphate aminotransferase [isomeriz... 55,678 32,775
479 Arginyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=RARS... 53,607 34,711
480 Neutral alpha-glucosidase AB OS=Homo sapiens GN=GANAB PE=1 S... 59,968 28,313
481 Methylcrotonoyl-CoA carboxylase beta chain mitochondrial OS=... 87,981 0
482 Serpin B6 OS=Homo sapiens GN=SERPINB6 PE=1 SV=3 47,049 40,62
483 ATP-binding cassette sub-family F member 2 OS=Homo sapiens G... 56,791 30,644
484 40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1... 84,914 0
485 Heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens GN=... 48,056 38,896
486 Protein ETI1, mitochondrial OS=Homo sapiens GN=ETI1 PE=1 S... 41,788 45,098
487 Alpha-soluble NSF attachment protein OS=Homo sapiens GN=NAPA... 47,974 38,83
488 Desmin-1 OS=Homo sapiens GN=DSG1 PE=1 SV=2 53,965 32,759
489 AP-3 complex subunit mu-1 OS=Homo sapiens GN=AP3M1 PE=1 SV=1... 59,25 24,406
490 Heat shock 70 kDa protein 1-like OS=Homo sapiens GN=HSPA1L P... 38,638 47,654
491 Collagen alpha-1(VI) chain OS=Homo sapiens GN=COL6A1 PE=1 SV=... 37,859 28,285
492 3-ketocarboxy-CoA thiolase, peroxisomal OS=Homo sapiens GN=ACAA... 50,067 36,021
493 6-phosphoglucononactonase OS=Homo sapiens GN=PGLS PE=1 SV=2 41,141 44,398
494 Protein NOX20 OS=Homo sapiens GN=FAM114A1 PE=1 SV=2 37,706 47,474
495 Ras-related protein Rab-23 OS=Homo sapiens GN=RAB23 PE=1 SV=... 84,914 0
496 Cytosol aminopeptidase OS=Homo sapiens GN=LAP3 PE=1 SV=3 47,72 36,785
497 ATP-dependent RNA helicase DDX1 OS=Homo sapiens GN=DDX1 PE=1... 43,031 41,278
498 Thrombospondin-1 OS=Homo sapiens GN=THBS1 PE=1 SV=2 48,384 35,898
499 Sarco(endo)plasmic reticulum calcium ATPase 2 OS=Homo ... 47,537 36,644
500 Catenin delta-1 OS=Homo sapiens GN=CTNN1D1 PE=1 SV=1 36,551 47,334
501 Adenosinehomocysteinase OS=Homo sapiens GN=ACHE PE=1 SV=4 57,33 26,516
502 Far upstream element-binding protein 3 OS=Homo sapiens GN=FU... 37,113 46,727
503 ATP-binding cassette sub-family D member 3 OS=Homo sapiens G... 42,956 40,558
504 Calcium/calmodulin-dependent protein kinase type II subunit ... 37,299 46,003
505 Cytosolic factor, proline- and glutamine-rich OS=Homo sapiens... 45,039 37,805
506 Ras-related GTP-binding protein A OS=Homo sapiens GN=RRAGA P... 33,911 48,796
507 Beta-2-syntrophin OS=Homo sapiens GN=SNB2 PE=1 SV=1 32,76 49,496
508 EMLIN-1 OS=Homo sapiens GN=EMLIN1 PE=1 SV=2 55,718 26,307
509 Cytoplasmic FMR1-interacting protein 1 OS=Homo sapiens GN=CY... 45,179 36,568
510 Ubiquitin-thioesterase OTUB1 OS=Homo sapiens GN=OTUB1 PE=1 S... 39,167 42,269
| Protein Name | Description | Organism | GenBank ID | Ensembl ID | Gene Symbol | Protein ID | 1st Value | 2nd Value |
|--------------|-------------|----------|------------|------------|-------------|------------|-----------|-----------|
| 511 Phosphatidylinositol phosphatase SAC1 | | Homo sapiens | GN=SA... | 42,192 | 39,028 | |
| 512 Ras-related protein Rab-11B | | Homo sapiens | GN=RAB11B PE=1 | 81,149 | 0 | |
| 513 A-kinase anchor protein 2 OS=Homo sapiens | GN=AKAP2 PE=1 SV=3 | 45,307 | 35,56 | |
| 514 Isocitrate dehydrogenase [NADP+] | mitochondrial OS=Homo sapiens | 46,966 | 33,79 | |
| 515 Niban-like protein 1 OS=Homo sapiens | GN=FAM129B PE=1 SV=2 | 38,615 | 41,673 | |
| 516 Coatomer subunit beta OS=Homo sapiens | GN=COPB1 PE=1 SV=3 | 55,689 | 24,039 | |
| 517 Platelet-activating factor acetylhydrolase IB subunit beta OS=Homo sapiens | | 46,351 | 33,347 | |
| 518 Superoxide dismutase [Mn] | mitochondrial OS=Homo sapiens | 79,687 | 0 | |
| 519 Palladin OS=Homo sapiens | GN=PALLD PE=1 SV=2 | 43,491 | 35,891 | |
| 520 Putative basic leucine zipper and W2 domain-containing protein | | 38,044 | 41,057 | |
| 521 Nuclear receptor coactivator 4 OS=Homo sapiens | GN=NCOA4 PE=1 SV=2 | 28,812 | 49,749 | |
| 522 Adseverin OS=Homo sapiens | GN=SCIN PE=1 SV=4 | 19,794 | 58,742 | |
| 523 Isoleucyl-tRNA synthetase, cytoplasmic OS=Homo sapiens | GN=IA... | 42,053 | 36,307 | |
| 524 Peroxiredoxin-4 OS=Homo sapiens | GN=PRDX4 PE=1 SV=1 | 78,334 | 0 | |
| 525 Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase | | 34,574 | 43,531 | |
| 526 Serum albumin OS=Homo sapiens | GN=ALB PE=1 SV=2 | 46,477 | 31,349 | |
| 527 Ras-related protein Rap-2a OS=Homo sapiens | GN=RAP2A PE=1 SV=... | 77,335 | 0 | |
| 528 Ras-related protein Rap-2b OS=Homo sapiens | GN=RAP2B PE=1 SV=... | 77,335 | 0 | |
| 529 Coatomer subunit beta OS=Homo sapiens | GN=COPB2 PE=1 SV=2 | 39,052 | 37,93 | |
| 530 Glycogen phosphorylase, brain form OS=Homo sapiens | GN=PYGB PE=1 | 58,758 | 18,117 | |
| 531 Ubiquitin carboxyl-terminal hydrolase 5 OS=Homo sapiens | GN=U... | 41,237 | 35,601 | |
| 532 Perilipin-3 OS=Homo sapiens | GN=PLIN3 PE=1 SV=2 | 32,609 | 43,989 | |
| 533 Adenyllyl cyclase-associated protein 1 OS=Homo sapiens | GN=CAP... | 52,14 | 24,115 | |
| 534 Methyltransferase-like protein 7A OS=Homo sapiens | GN=METTL7A... | 29,001 | 46,946 | |
| 535 Ras-related protein Rab-31 OS=Homo sapiens | GN=RAB31 PE=1 SV=... | 36,475 | 39,363 | |
| 536 L-lactate dehydrogenase B chain OS=Homo sapiens | GN=LDHB PE=1... | 52,965 | 22,864 | |
| 537 Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sa... | | 55,645 | 20,017 | |
| 538 26S proteasome regulatory subunit 2 OS=Homo sapien... | | 54,552 | 21,026 | |
| 539 ATP synthase subunit f, mitochondrial OS=Homo sapiens | GN=ATP... | 75,279 | 0 | |
| 540 T-complex protein 1 subunit eta OS=Homo sapiens | GN=CTT7 PE=1... | 32,579 | 42,191 | |
| 541 S-adenosylmethionine synthase isoform type-2 OS=Homo sapiens | | 38,829 | 38,666 | |
| 542 Regulator of nonsense transcripts 1 OS=Homo sapiens | GN=UPF1... | 43,874 | 30,438 | |
| 543 Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Homo sapien... | | 23,454 | 50,623 | |
| 544 FAS-associated factor 2 OS=Homo sapiens | GN=FAF2 PE=1 SV=2 | 39,754 | 34,321 | |
| 545 Erlen-1 OS=Homo sapiens | GN=ERLIN1 PE=1 SV=1 | 40,903 | 33,106 | |
| 546 Spermidine synthase OS=Homo sapiens | GN=SRM PE=1 SV=1 | 23,431 | 50,573 | |
| 547 Prohibitin-2 OS=Homo sapiens | GN=PHB2 PE=1 SV=2 | 35,499 | 38,31 | |
| 548 Non-specific lipid-transfer protein OS=Homo sapiens | GN=SCP2... | 38,809 | 34,902 | |
| 549 Myosin light chain 6B OS=Homo sapiens | GN=MYL6B PE=1 SV=1 | 0 | 73,428 | |
| 550 Transitional endoplasmic reticulum ATPase OS=Homo sapiens | | 30,728 | 42,636 | |
| 551 Sorting nexin-6 OS=Homo sapiens | GN=SNX6 PE=1 SV=1 | 26,144 | 47,023 | |
| 552 Serine-threonine kinase receptor-associated protein OS=Homo ... | | 40,435 | 32,728 | |
| 553 Guanine nucleotide-binding protein G(k) subunit alpha OS=Homo... | | 29,984 | 43,144 | |
| 554 Transducin beta-like protein 2 OS=Homo sapiens | GN=TBL2 PE=1... | 47,491 | 25,626 | |
| 555 Cathepsin B OS=Homo sapiens | GN=CTSB PE=1 SV=3 | 73,058 | 0 | |
| 556 Ras-related GTP-binding protein C OS=Homo sapiens | GN=RRAGC P... | 53,206 | 19,139 | |
| 557 Keratin, type II cytoskeletal 80 OS=Homo sapiens | GN=KRT80 PE... | 46,966 | 25,342 | |
| 558 Cystatin-A OS=Homo sapiens | GN=CSA PE=1 SV=1 | 72,206 | 0 | |
| 559 Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens G... | | 39,866 | 32,267 | |
| 560 Keratin, type II cytoskeletal 72 OS=Homo sapiens | GN=KRT72 PE=... | 34,619 | 37,361 | |
| 561 DCC-interacting protein 13-beta OS=Homo sapiens | GN=APPL2 PE=... | 37,299 | 34,502 | |
| 562 Filamin-B OS=Homo sapiens | GN=FLNB PE=1 SV=1 | 39,433 | 32,284 | |
| 563 Protein tyrosine phosphatase-like protein PTPLAD1 OS=Homo sa... | | 29,321 | 42,191 | |
| 564 NADPH--cytochrome P450 reductase OS=Homo sapiens | GN=POR PE=1... | 31,357 | 39,48 | |
| 565 Ras-related protein Rab-6A OS=Homo sapiens | GN=RAB6A PE=1 SV=... | 34,02 | 36,714 | |
| 566 Signal recognition particle 72 kDa protein OS=Homo sapiens G... | | 42,183 | 28,452 | |
| 567 Ras-related protein Rab-34 OS=Homo sapiens | GN=RAB34 PE=1 SV=... | 40,982 | 29,485 | |
682 Tensin-1 OS=Homo sapiens GN=TNKS1 PE=1 SV=2 26,51 26,409
683 Ribosomal L1 domain-containing protein 1 OS=Homo sapiens GN=... 21,662 31,169
684 Hydroxysteroid dehydrogenase-like protein 2 OS=Homo sapiens ... 25,393 27,404
685 LIM domain only protein 7 OS=Homo sapiens GN=LMO7 PE=1 SV=2 23,125 29,493
686 Signal recognition particle 68 kDa protein OS=Homo sapiens G... 28,214 24,359
687 Guanine nucleotide-binding protein G(i) subunit alpha-1 OS=H... 19,989 32,358
688 S-formylglutathione hydrolase OS=Homo sapiens GN=ESD PE=1 SV=... 25,093 27,08
689 Twinfilin-1 OS=Homo sapiens GN=TWF1 PE=1 SV=3 30,327 21,819
690 Matrin-3 OS=Homo sapiens GN=MATR3 PE=1 SV=2 25,063 27,048
691 Guanine nucleotide-binding protein G(i)/G(S)/G(T) subunit be... 52,031 0
692 Voltage-dependent anion-selective channel protein 3 OS=Homo ... 25,004 26,984
693 Testin OS=Homo sapiens GN=TES PE=1 SV=1 33,616 18,139
694 Dedicator of cytokinesis protein 7 OS=Homo sapiens GN=DOCK7 ... 24,8 26,763
695 Adenylate kinase isoenzyme 5 OS=Homo sapiens GN=AK5 PE=1 SV=... 37,773 13,588
696 Eukaryotic translation initiation factor 3 subunit C OS=Homo... 38,752 12,546
697 Collagen-alpha-2(VI) chain OS=Homo sapiens GN=COL6A2 PE=1 SV... 17,361 33,724
698 Trifunctional purine biosynthetic protein adenosine-3 OS=Hom... 24,521 26,463
699 Keratin, type II cytoskeletal 1b OS=Homo sapiens GN=KRT77 PE... 30,713 19,887
700 Talin-2 OS=Homo sapiens GN=TLN2 PE=1 SV=4 26,445 24,033
701 Thymidylate kinase OS=Homo sapiens GN=DYRK1A PE=1 SV=4 50,067 0
702 Vacular protein sorting-associated protein 35 OS=Homo sapi... 35,559 14,39
703 Fatty acid desaturase 2 OS=Homo sapiens GN=FADS2 PE=1 SV=1 23,906 25,799
704 Dynamin-1-like protein OS=Homo sapiens GN=DNM1L PE=1 SV=2 28,843 20,751
705 Cell division control protein 2 homolog OS=Homo sapiens GN=... 23,826 25,712
706 UBX domain-containing protein 1 OS=Homo sapiens GN=UBXN1 PE=... 23,826 25,712
707 Calcium-binding and coiled-coil domain-containing protein 2 ... 23,799 25,683
708 Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating ... 28,457 20,473
709 PDZ and LIM domain protein 7 OS=Homo sapiens GN=LIM7 PE=1 ... 15,484 33,42
710 HLA class I histocompatibility antigen, B-42 alpha chain OS=... 48,869 0
711 HLA class I histocompatibility antigen, B-40 alpha chain OS=... 48,869 0
712 HLA class I histocompatibility antigen, B-53 alpha chain OS=... 48,869 0
713 Nucleoredoxin OS=Homo sapiens GN=NXN PE=1 SV=2 48,801 0
714 Eukaryotic translation initiation factor 4 gamma 1 OS=Homo s... 19,914 28,655
715 Tyrosyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=YARS... 26,804 21,695
716 Transforming growth factor beta-1-induced transcript 1 prote... 15,35 33,13
717 Vinculin OS=Homo sapiens GN=VCL PE=1 SV=4 28,08 20,202
718 Aspartyl/asparaginyl beta-hydrolase OS=Homo sapiens GN=ASP... 28,006 20,149
719 Calcium-regulated heat stable protein 1 OS=Homo sapiens GN=C... 48,137 0
720 Cytosolic acyl coenzyme A thioester hydrolase OS=Homo sapien... 27,932 20,096
721 Heat shock 70 kDa protein 4 OS=Homo sapiens GN=HSPA4 PE=1 SV=... 25,272 22,728
722 Gap junction alpha-1 protein OS=Homo sapiens GN=GJAP1 PE=1 SV=... 27,786 19,991
723 Eukaryotic translation initiation factor 3 subunit E OS=Homo... 47,705 0
724 Calponin-2 OS=Homo sapiens GN=CNN2 PE=1 SV=4 22,9 24,714
725 ATP synthase subunit gamma, mitochondrial OS=Homo sapiens GN=... 47,491 0
726 26S proteasome non-ATPase regulatory subunit 14 OS=Homo sapi... 22,826 24,634
727 Far upstream element-binding protein 2 OS=Homo sapiens GN=KH... 14,95 32,267
728 Glutathione S-transferase Mu 3 OS=Homo sapiens GN=GSTM3 PE=1... 47,175 0
729 GMP synthase [glutamine-hydrolyzing] OS=Homo sapiens GN=GMPS... 30,633 16,529
730 Caprin-1 OS=Homo sapiens GN=CAPRIN1 PE=1 SV=2 19,961 26,927
731 Serpin B3 OS=Homo sapiens GN=SERPINB3 PE=1 SV=2 27,216 19,581
732 Eukaryotic translation initiation factor 2 subunit 3 OS=Homo... 22,488 24,269
733 Plastin-3 OS=Homo sapiens GN=PLS3 PE=1 SV=4 22,464 24,243
734 Mitogen-activated protein kinase 3 OS=Homo sapiens GN=MAPK3 ... 46,677 0
735 Dynamin-2 OS=Homo sapiens GN=DNM2 PE=1 SV=2 20,334 26,333
736 Tight junction protein ZO-1 OS=Homo sapiens GN=JEP1 PE=1 SV=... 18,217 28,397
737 Dolichyl-diphosphooligosaccharide--protein glycosyltransfera... 46,554 0
738 Vitronectin OS=Homo sapiens GN=VTN PE=1 SV=1 22,206 23,964
739 ELKS/Rab6-interacting/CAST family member 1 OS=Homo sapiens G...
740 Aminoacyl tRNA synthase complex-interacting multifunctional ...
741 Eukaryotic peptide chain release factor GTP-binding subunit ...
742 Serine/threonine-protein phosphatase 2A catalytic subunit al...
743 Putative heat shock protein HSP 90-alpha A5 OS=Homo sapiens ...
744 Dual specificity mitogen-activated protein kinase kinase 2 O...
745 ATP-dependent RNA helicase DDX19A OS=Homo sapiens GN=DDX19A ...
746 Cold shock domain-containing protein E1 OS=Homo sapiens GN=C...
747 Rab-like protein 3 OS=Homo sapiens GN=RABL3 PE=1 SV=1
748 Eukaryotic translation initiation factor 3 subunit B OS=Homo...
749 Calponin-3 OS=Homo sapiens GN=CNN3 PE=1 SV=1
750 Proteasome activator complex subunit 2 OS=Homo sapiens GN=PS...
751 Proto-oncogene tyrosine-protein kinase Src OS=Homo sapiens G...
752 Xaa-Pro dipeptidase OS=Homo sapiens GN=PEPD PE=1 SV=3
753 Ubiquitin carboxyl-terminal hydrolase 14 OS=Homo sapiens GN=...
754 WASH complex subunit 7 OS=Homo sapiens GN=KIAA1033 PE=1 SV=1...
755 Caspase-14 OS=Homo sapiens GN=CASP14 PE=1 SV=2
756 Centriolar material 1 protein OS=Homo sapiens GN=PCM1 PE...
757 Splicing factor, arginine/serine-rich 13A OS=Homo sapiens GN...
758 Hexokinase-1 OS=Homo sapiens GN=HK1 PE=1 SV=3
759 Rho-related GTP-binding protein RhoE OS=Homo sapiens GN=RND3...
760 Phenylalanyl-tRNA synthetase alpha chain OS=Homo sapiens GN=...
761 Protein Mpv17 OS=Homo sapiens GN=MPV17 PE=1 SV=1
762 Vacular protein sorting-associated protein 16 homolog OS=Ho...
763 Suprabasin OS=Homo sapiens GN=SSBN PE=2 SV=1
764 Protein transport protein Sec23A OS=Homo sapiens GN=SEC23A P...
765 Septin-11 OS=Homo sapiens GN=SEPT11 PE=1 SV=3
766 Insulin-like growth factor-binding protein 5 OS=Homo sapiens...
767 Keratin, type I cytoskeletal 23 OS=Homo sapiens GN=KRT23 PE=...
768 Vacular protein sorting-associated protein 4B OS=Homo sapiе...
769 Importin subunit alpha-2 OS=Homo sapiens GN=KPNA2 PE=1 SV=1
770 Ribosome biogenesis protein BRX1 homolog OS=Homo sapiens GN=...
771 Electron transfer flavoprotein subunit beta OS=Homo sapiens ...
772 Oxysterol-binding protein-related protein 3 OS=Homo sapiens ...
773 Oxysterol-binding protein-related protein 8 OS=Homo sapiens ...
774 Thioredoxin domain-containing protein 12 OS=Homo sapiens GN=...
775 ADP-riboseylation factor-like protein 8A OS=Homo sapiens GN=A...
776 Eukaryotic translation initiation factor 5 OS=Homo sapiens G...
777 Mitochondrial Rho GTPase 2 OS=Homo sapiens GN=RHOT2 PE=1 SV=...
778 Myoferlin OS=Homo sapiens GN=MYOF PE=1 SV=1
779 Uncharacterized protein KIAA1462 OS=Homo sapiens GN=KIAA1462...
780 Dolichyl-diphosphooligosaccharide–protein glycosyltransfera...
781 Developmentally-regulated GTP-binding protein 2 OS=Homo sapi...
782 Signal recognition particle receptor subunit alpha OS=Homo s...
783 Tripartite motif-containing protein 56 OS=Homo sapiens GN=TR...
784 Optineurin OS=Homo sapiens GN=OPTN PE=1 SV=1
785 RAF proto-oncogene serine/threonine-protein kinase OS=Homo s...
786 Ribosomal protein S6 kinase alpha-3 OS=Homo sapiens GN=RPS6K...
787 E3 ubiquitin-protein ligase DTX3L OS=Homo sapiens GN=DTX3L P...
788 HLA class I histocompatibility antigen, B-73 alpha chain OS=...
789 Survival motor neuron protein OS=Homo sapiens GN=SMN1 PE=1 S...
790 TRIO and F-actin-binding protein OS=Homo sapiens GN=TRIOBP P...
791 Inhibitor of nuclear factor kappa-B kinase subunit beta OS=H...
792 Vacular protein sorting-associated protein 29 OS=Homo sapiе...
793 Endophilin-B1 OS=Homo sapiens GN=SH3GLB1 PE=1 SV=1
794 Serine/threonine-protein kinase MRCK beta OS=Homo sapiens GN...
795 HLA class I histocompatibility antigen, Cw-7 alpha chain OS=...
853 Arginase-1 OS=Homo sapiens GN=ARG1 PE=1 SV=2 32,964 0
854 Nascent polypeptide-associated complex subunit alpha OS=Homo... 32,912 0
855 Alpha-aminoadipic semialdehyde dehydrogenase OS=Homo sapiens... 32,821 0
856 Thyroid receptor-interacting protein 13 OS=Homo sapiens GN=T... 32,76 0
857 Schlafen family member 5 OS=Homo sapiens GN=SLFN5 PE=1 SV=1 19,655 12,856
858 Pleckstrin homology-like domain family B member 1 OS=Homo sa... 7,708 24,956
859 Translation initiation factor elf-2B subunit gamma OS=Homo s... 15,655 16,895
860 Catenin alpha-1 OS=Homo sapiens GN=CTNNA1 PE=1 SV=1 15,621 16,858
861 Mitotic checkpoint protein BUB3 OS=Homo sapiens GN=BUB3 PE=1... 32,361 0
862 Bloomycin hydrolase OS=Homo sapiens GN=BLMH PE=1 SV=1 15,552 16,784
863 Desmocollin-1 OS=Homo sapiens GN=DSCL1 PE=1 SV=2 23,746 8,542
864 TRAF2 and NCK-interacting protein kinase OS=Homo sapiens GN=... 18,211 14,038
865 Antigen peptide transporter 1 OS=Homo sapiens GN=TAP1 PE=1 S... 13,136 18,902
866 KH domain-containing, RNA-binding, signal transduction-assoc... 31,947 0
867 Transmembrane glycoprotein NMB OS=Homo sapiens GN=GNMB PE=1... 18,556 13,351
868 PDZ domain-containing protein GIPC1 OS=Homo sapiens GN=GIPC1... 31,875 0
869 C-terminal-binding protein 2 OS=Homo sapiens GN=CTBP2 PE=1 S... 31,803 0
870 Eukaryotic translation initiation factor 3 subunit A OS=Homo... 17,921 13,814
871 YTH domain family protein 2 OS=Homo sapiens GN=YTHDF2 PE=1 S... 18,332 13,189
872 Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4... 15,152 16,352
873 Elongation factor 1-beta OS=Homo sapiens GN=EEF1B2 PE=1 SV=3... 31,45 0
874 ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV... 22,287 9,02
875 Tryptophanyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN... 15,024 16,213
876 Serine racemase OS=Homo sapiens GN=SRR PE=1 SV=1 31,218 0
877 DNA repair protein RAD50 OS=Homo sapiens GN=RAD50 PE=1 SV=1 10,787 20,372
878 Uveo autoantigen with coiled-coil domains and ankyrin repea... 17,491 13,483
879 DNA mismatch repair protein Msh2 OS=Homo sapiens GN=MSH2 PE=... 22,729 8,176
880 Interferon-induced GTP-binding protein Mx2 OS=Homo sapiens G... 14,845 16,021
881 Ubiquitin carboxyl-terminal hydrolase isozyme L3 OS=Homo sap... 30,766 0
882 Next to BRCA1 gene 1 protein OS=Homo sapiens GN=NB1R1 PE=1 SV... 10,988 19,763
883 PDZ and LIM domain protein 5 OS=Homo sapiens GN=PDLM5 PE=1 ... 17,809 12,613
884 Alpha-internexin OS=Homo sapiens GN=INA PE=1 SV=2 0 30,607
885 ATPase ASNA1 OS=Homo sapiens GN=ASNA1 PE=1 SV=2 30,501 0
886 Nuclear protein localization protein 4 homolog OS=Homo sapi... 11,638 18,84
887 Twinfilin-2 OS=Homo sapiens GN=TWF2 PE=1 SV=2 30,413 0
888 Long-chain-fatty-acid--CoA ligase 1 OS=Homo sapiens GN=ACSL1... 30,413 0
889 Spectrin alpha chain, brain OS=Homo sapiens GN=SPTAN1 PE=1 S... 7,156 23,169
890 Casein kinase II subunit alpha OS=Homo sapiens GN=CSNK2A2 P... 30,327 0
891 Proteasome subunit alpha type-2 OS=Homo sapiens GN=PSMA2 PE=... 30,24 0
892 Ezrin OS=Homo sapiens GN=EZR PE=1 SV=4 30,189 0
893 Serine/threonine-protein kinase 3 OS=Homo sapiens GN=STK3 PE... 14,412 15,553
894 Glycogen phosphorylase, liver form OS=Homo sapiens GN=PYGL P... 20,886 9,016
895 Trifunctional enzyme subunit beta, mitochondrial OS=Homo sap... 29,857 0
896 Aflatoxin B1 aldehyde reductase member 2 OS=Homo sapiens GN=... 29,566 0
897 Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=... 17,942 11,617
898 Small nuclear ribonucleoprotein-associated proteins B and B'... 29,484 0
899 SEC23-interacting protein OS=Homo sapiens GN=SEC23IP PE=1 SV... 14,152 15,273
900 ATP-binding cassette sub-family D member 1 OS=Homo sapiens G... 18,996 10,25
901 HLA class I histocompatibility antigen, A-3 alpha chain OS=H... 29,08 0
902 LIM and cysteine-rich domains protein 1 OS=Homo sapiens GN=L... 29,08 0
903 Eukaryotic translation initiation factor 6 OS=Homo sapiens G... 28,882 0
904 Tyrosine-protein kinase Lyn OS=Homo sapiens GN=LYN PE=1 SV=3... 13,821 14,915
905 Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 ... 18,622 10,048
906 DnaJ homolog subfamily C member 7 OS=Homo sapiens GN=DNAJC7 ... 28,649 0
907 Cullin-4B OS=Homo sapiens GN=CUL4B PE=1 SV=3 15,813 12,799
908 Splicing factor, arginine/serine-rich 1 OS=Homo sapiens GN=S... 28,533 0
909 Microtubule-associated protein RP/EB family member 1 OS=Homo... 0 28,494
| Gene Name | Function | OS | GN | PE | SV |
|-----------|----------|----|-----|----|----|
| 910 Protein disulfide-isomerase A5 | Homo sapiens | PDIA5 | 13,634 | 14,714 |
| 911 Galectin-3 | Homo sapiens | LGALS3 | 28,305 | 0 |
| 912 Hyccin | Homo sapiens | FAM128A | 13,582 | 14,657 |
| 913 COP9 signalosome complex subunit 4 | Homo sapiens | COPS4 | 0 | 28,214 |
| 914 Derlin-1 | Homo sapiens | DERL1 | 28,192 | 0 |
| 915 Guanine nucleotide-binding protein subunit alpha-13 | Homo sapiens | 28,155 | 0 |
| 916 Splicing factor, arginine/serine-rich 5 | Homo sapiens | SRSF5 | 0 | 28,075 |
| 917 Tumor protein p53-regulated gene 1-like protein | Homo sapiens | 0 | 28,075 |
| 918 Protein numb homolog | Homo sapiens | NUMB | 16,305 | 11,73 |
| 919 WASH complex subunit strumpellin | Homo sapiens | KIAA0196 | 21,369 | 6,589 |
| 920 Tubulin-specific chaperone E | Homo sapiens | TBC1D15 | 13,427 | 14,491 |
| 921 Tyrosine-protein kinase-like 7 | Homo sapiens | PTK7 | 9,92 | 17,842 |
| 922 Putative adenosylhomocysteinease 2 | Homo sapiens | AHCHY1 | 13,351 | 14,409 |
| 923 Delta-1-pyruvate-5-carboxylate synthase | Homo sapiens | 13,351 | 14,409 |
| 924 Synembryn-A | Homo sapiens | RIC8A | 13,349 | 14,409 |
| 925 Tensin-3 | Homo sapiens | TNS3 | 17,14 | 10,57 |
| 926 Nuclear receptor-binding protein | Homo sapiens | NRBP1 | 13,227 | 14,274 |
| 927 24-dehydrocholesterol reductase | Homo sapiens | DHCR24 | 27,427 | 0 |
| 928 Peroxisomal membrane protein 11B | Homo sapiens | PEX11B | 27,321 | 0 |
| 929 DNA replication licensing factor MCM3 | Homo sapiens | MCM3 | 13,136 | 14,177 |
| 930 Sorting nexin-2 | Homo sapiens | SNX2 | 27,269 | 0 |
| 931 Cyclic AMP-responsive element-binding protein 3-like protein | Homo sapiens | 27,216 | 0 |
| 932 Catenin beta-1 | Homo sapiens | CTNBB1 | 27,181 | 0 |
| 933 3-hydroxyacyl-CoA dehydrogenase type-2 | Homo sapiens | 27,112 | 0 |
| 934 Gamma-adducin | Homo sapiens | ADD3 | 0 | 27,041 |
| 935 Erthrocyte band 7 integral membrane protein | Homo sapiens | 0 | 26,516 |
| 936 TBC1 domain family member 15 | Homo sapiens | TBC1D15 | 15,361 | 11,051 |
| 937 Vacuolar protein sorting-associated protein 4A | Homo sapiens | 0 | 26,212 |
| 938 Probable fructose-2,6-bisphosphatase | Homo sapiens | TIGAR | 26,208 | 0 |
| 939 Fermitin family homolog 2 | Homo sapiens | FERMT2 | 26,015 | 0 |
| 940 Plasminogen activator inhibitor 1 RNA-binding protein | Homo sapiens | 26,015 | 0 |
| 941 Peroxisomal acyl-coenzyme A dehydrogenase | Homo sapiens | 25,977 | 0 |
| 942 Glutamate-cysteine ligase regulatory subunit | Homo sapiens | 25,825 | 0 |
| 943 Eukaryotic translation initiation factor 3 subunit D | Homo sapiens | 25,825 | 0 |
| 944 Proline synthase co-transcribed bacterial homolog | Homo sapiens | 25,732 | 0 |
| 945 Ras GTPase-activating protein 2 | Homo sapiens | RASA2 | 16,669 | 8,995 |
| 946 Calpain-1 catalytic subunit | Homo sapiens | CAPN1 | 14,866 | 10,695 |
| 947 Heat shock protein 105 kDa | Homo sapiens | HSPH1 | 16,495 | 8,9 |
| 948 Nicotinamide mononucleotide adenlyltransferase 1 | Homo sapiens | 25,363 | 0 |
| 949 Glycogen [starch] synthesis, muscle | Homo sapiens | GYS1 | 9,601 | 15,542 |
| 950 Poly [ADP-ribose] polymerase 1 | Homo sapiens | PARP1 | 17,446 | 7,531 |
| 951 Peflin | Homo sapiens | PEF1 | 24,916 | 0 |
| 952 Paxillin | Homo sapiens | PXN | 11,973 | 12,921 |
| 953 Dihydropyrimidinase-related protein 3 | Homo sapiens | DPHR | 24,829 | 0 |
| 954 N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 | Homo sapiens | 24,829 | 0 |
| 955 Hypoxia up-regulated protein 1 | Homo sapiens | HYOU1 | 24,791 | 0 |
| 956 Fibulin-2 | Homo sapiens | FBLN2 | 14,941 | 9,675 |
| 957 MMS19 nucleotide excision repair protein homolog | Homo sapiens | 14,941 | 9,675 |
| 958 Transformer-2 protein homolog beta | Homo sapiens | TRA2B | 24,57 | 0 |
| 959 Nuclear factor NF-kappa-B p100 subunit | Homo sapiens | NF... | 11,794 | 12,728 |
| 960 Kin of IRRE-like protein 1 | Homo sapiens | KIRREL | 9,348 | 15,132 |
| 961 Endoplasmic reticulum-Golgi intermediate compartment protein | Homo sapiens | 24,401 | 0 |
| 962 [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial | Homo sapiens | 24,345 | 0 |
| 963 Leucine-rich repeat-containing protein 47 | Homo sapiens | 24,275 | 0 |
| 964 Malectin | Homo sapiens | MLEC | 24,234 | 0 |
| 965 Lipoma-preferred partner | Homo sapiens | LPP | 11,562 | 12,478 |
| 966 DNA mismatch repair protein Msh6 | Homo sapiens | MSH6 | 15,609 | 8,423 |
1024 Glutaredoxin-3 OS=Homo sapiens GN=GLRX3 PE=1 SV=2  21,123  0
1025 Cell division cycle protein 123 homolog OS=Homo sapiens GN=C...  21,06  0
1026 Vacuolar protein sorting-associated protein 26B OS=Homo sapi...  21,06  0
1027 Serine hydroxymethyltransferase, mitochondrial OS=Homo sapi...  21,06  0
1028 FK506-binding protein 15 OS=Homo sapiens GN=FKBP15 PE=1 SV=2...  11,61  9,397
1029 Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1  20,998  0
1030 Casein kinase I isoform alpha OS=Homo sapiens GN=CSNK1A1 PE=...  20,998  0
1031 Eukaryotic translation initiation factor 5B OS=Homo sapiens ...  11,6  9,389
1032 Alpha-taxilin OS=Homo sapiens GN=TXLNA PE=1 SV=3  0  20,979
1033 Malate dehydrogenase, mitochondrial OS=Homo sapiens GN=MDH2 ...  20,935  0
1034 Activator of 90 kDa heat shock protein ATPase homolog 1 OS=H...  20,935  0
1035 Erlin-2 OS=Homo sapiens GN=ERLIN2 PE=1 SV=1  20,874  0
1036 Dehydrogenase/reductase SDR family member 7 OS=Homo sapiens ...  20,874  0
1037 Guanine nucleotide-binding protein-like 3 OS=Homo sapiens GN...  0  20,865
1038 Lipase maturation factor 2 OS=Homo sapiens GN=LMF2 PE=1 SV=2...  10,009  10,801
1039 Double-stranded RNA-specific adenosine deaminase OS=Homo sap...  14,429  6,229
1040 Transmembrane protein C2orf18 OS=Homo sapiens GN=C2orf18 PE=...  0  20,584
1041 Aldehyde dehydrogenase X, mitochondrial OS=Homo sapiens GN=A...  20,531  0
1042 Aldehyde dehydrogenase, mitochondrial OS=Homo sapiens GN=ALD...  20,531  0
1043 SPATS2-like protein OS=Homo sapiens GN=SPATS2L PE=1 SV=2  0  20,528
1044 Succinyl-CoA ligase [GDP-forming] subunit alpha, mitochondrial...  20,451  0
1045 Protein-glutamine gamma-glutamyltransferase E OS=Homo sapien...  20,422  0
1046 Ig alpha-2 chain C region OS=Homo sapiens GN=IGHA2 PE=1 SV=3...  20,422  0
1047 Serine/threonine-protein phosphatase 2B catalytic subunit al...  20,373  0
1048 Nuclear mitotic apparatus protein 1 OS=Homo sapiens GN=NUMA1...  16,729  3,611
1049 UDP-glucose 4-epimerase OS=Homo sapiens GN=GALE PE=1 SV=2  20,334  0
1050 Glutathione reductase, mitochondrial OS=Homo sapiens GN=GSR ...  20,334  0
1051 Transportin-1 OS=Homo sapiens GN=TNPO1 PE=1 SV=2  11,82  8,504
1052 Protein transport protein Sec16A OS=Homo sapiens GN=SEC16A P...  9,742  10,514
1053 Protein scribble homolog OS=Homo sapiens GN=SCRIB PE=1 SV=4  10,853  9,37
1054 Serine/threonine-protein kinase TBK1 OS=Homo sapiens GN=TBK1...  9,707  10,475
1055 RNA-binding protein FUS OS=Homo sapiens GN=FUS PE=1 SV=1  20,179  0
1056 Leukocyte elastase inhibitor OS=Homo sapiens GN=SERPINB1 PE=...  0  20,149
1057 Catalase OS=Homo sapiens GN=CAT PE=1 SV=3  20,141  0
1058 Kinesin-like protein KIF2A OS=Homo sapiens GN=KIF2A PE=1 SV=...  20,046  0
1059 SH3 and PX domain-containing protein 2B OS=Homo sapiens GN=S...  11,651  8,383
1060 Guanine nucleotide exchange factor for Rab-3A OS=Homo sapien...  0  19,991
1061 Replication factor C subunit 2 OS=Homo sapiens GN=RFC2 PE=1 ...  19,989  0
1062 Poly(ADP-ribose) polymerase 1 OS=Homo sapiens GN=PARP1 PE=1...  19,933  0
1063 AP-3 complex subunit beta-1 OS=Homo sapiens GN=AP3B1 PE=1 SV...  12,936  6,98
1064 Eukaryotic translation initiation factor 3 subunit F OS=Homo...  19,821  0
1065 AP-2 complex subunit alpha-2 OS=Homo sapiens GN=AP2A2 PE=1 S...  7,536  12,199
1066 Elongation factor Tu GTP-binding domain-containing protein 1...  9,477  10,227
1067 Heterogeneous nuclear ribonucleoprotein U-like protein 2 OS=...  9,473  10,223
1068 Histone-arginine methyltransferase CARM1 OS=Homo sapiens GN=...  0  19,581
1069 Switch-associated protein 70 OS=Homo sapiens GN=SAP70 PE=1 ...  0  19,581
1070 Threonyl-tRNA synthetase, mitochondrial OS=Homo sapiens GN=TH...  19,575  0
1071 Biotin--protein ligase OS=Homo sapiens GN=HLCS PE=1 SV=1  19,494  0
1072 Rho guanine nucleotide exchange factor 1 OS=Homo sapiens GN=...  19,397  0
1073 Transcription factor p65 OS=Homo sapiens GN=REL A PE=1 SV=2  18,264  0
1074 Endophilin-A2 OS=Homo sapiens GN=SH3GL1 PE=1 SV=1  19,229  0
1075 Protein kinase C iota type OS=Homo sapiens GN=PRKCI PE=1 SV=2...  0  19,219
1076 Serine/threonine-protein kinase DCLK1 OS=Homo sapiens GN=DCL...  19,125  0
1077 Phosphoserine aminotransferase OS=Homo sapiens GN=PSAT1 PE=1...  19,125  0
1078 Tyrosine-protein kinase SgK269 OS=Homo sapiens GN=SGK269 PE=...  8,106  10,934
1079 Alpha-parvin OS=Homo sapiens GN=PARVA PE=1 SV=1  19,022  0
1080 Centromere/kinetochore protein zw10 homolog OS=Homo sapiens ...  9,084  9,803
1138 Centrosomal protein of 170 kDa OS=Homo sapiens GN=CEP170 PE=... 11,168 4,821
1139 Serine/threonine-protein kinase 24 OS=Homo sapiens GN=STK24 ... 15,973 0
1140 Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo... 6,946 8,995
1141 Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminylt... 15,902 0
1142 Interferon-induced protein with tetra-riptideopeptide repeats 5 ... 0 15,843
1143 BAG family molecular chaperone regulator 5 OS=Homo sapiens G... 15,83 0
1144 AP-3 complex subunit delta-1 OS=Homo sapiens GN=AP3D1 PE=1 S... 9,206 6,623
1145 Septin-8 OS=Homo sapiens GN=SEPT8 PE=1 SV=4 0 15,811
1146 Nuclear factor NF-kappa-B p105 subunit OS=Homo sapiens GN=NF... 0 15,778
1147 Calcium-binding mitochondrial carrier protein Aralar2 OS=Hom... 15,725 0
1148 Acyl-coenzyme A thioesterase 2, mitochondrial OS=Homo sapien... 15,655 0
1149 Vacuolar protein sorting-associated protein 11 homolog OS=Ho... 7,52 8,115
1150 Eukaryotic translation initiation factor 4 gamma 2 OS=Homo s... 15,603 0
1151 RuvB-like 2 OS=Homo sapiens GN=RUVBL2 PE=1 SV=3 15,283 0
1152 Chitobiosylphospholipid transferase OS=Homo sapiens ... 15,25 0
1153 Spermatogenesis-associated protein 5-like protein 1 OS=Homo ... 0 15,212
1154 Polycystin-2 OS=Homo sapiens GN=PKD2 PE=1 SV=3 7,31 7,889
1155 Enhancer of mRNA-decapping protein 3 OS=Homo sapiens GN=EDC3... 0 15,033
1156 Double-strand break repair protein MRE11A OS=Homo sapiens GN... 14,992 0
1157 ATP-binding cassette sub-family F member 3 OS=Homo sapiens G... 14,971 0
1158 Phosphatidylserine synthase 1 OS=Homo sapiens GN=PTDSS1 PE=1... 14,96 0
1159 7-dehydrocholesterol reductase OS=Homo sapiens GN=DHCR7 PE=1... 14,897 0
1160 Protein transport protein Sec61 subunit alpha isoform 1 OS=H... 14,866 0
1161 Interferon-induced protein with tetra-riptideopeptide repeats 1 ... 14,804 0
1162 Protein Hook homolog 3 OS=Homo sapiens GN=HOOK3 PE=1 SV=2 14,783 0
1163 Structural maintenance of chromosomes protein 2 OS=Homo sapi... 14,779 0
1164 Acyl-CoA dehydrogenase family member 11 OS=Homo sapiens GN=A... 0 14,686
1165 Probable ATP-dependent RNA helicase DDX6 OS=Homo sapiens GN=... 14,65 0
1166 Serine/threonine-protein kinase 4 OS=Homo sapiens GN=STK4 PE=... 14,53 0
1167 Metalloenductase STEAP2 OS=Homo sapiens GN=STEAP2 PE=1 SV=2 14,441 0
1168 Pleckstrin homology domain-containing family O member 2 OS=H... 14,441 0
1169 Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapien... 14,382 0
1170 La-related protein 4B OS=Homo sapiens GN=LARP4B PE=1 SV=3 14,382 0
1171 Solute carrier family 2, facilitated glucose transporter mem... 14,382 0
1172 Cytoplasmic dynein 1 light intermediate chain 2 OS=Homo sapi... 14,382 0
1173 General transcription factor II-I OS=Homo sapiens GN=GTF2I P... 14,181 0
1174 N-terminal kinase-like protein OS=Homo sapiens GN=SCYL1 PE=1... 0 14,177
1175 Neuroblast differentiation-associated protein AHNK OS=Homo ... 9,611 4,538
1176 Solute carrier family 2, facilitated glucose transporter mem... 0 14,142
1177 Elongation factor G, mitochondrial OS=Homo sapiens GN=GFM1 P... 14,134 0
1178 Phosphoacetylglucosamine mutase OS=Homo sapiens GN=PGM3 PE=1... 0 14,09
1179 Stress-induced-phosphoprotein 1 OS=Homo sapiens GN=STIP1 PE=... 0 14,064
1180 265 proteasome non-ATPase regulatory subunit 5 OS=Homo sapi... 14,04 0
1181 Cullin-4A OS=Homo sapiens GN=CUL4A PE=1 SV=3 13,985 0
1182 25-hydroxycholesterol 7-alpha-hydroxylase OS=Homo sapiens GN... 13,985 0
1183 Abi interactor 1 OS=Homo sapiens GN=AB11 PE=1 SV=4 13,929 0
1184 A-Kinase anchor protein 12 OS=Homo sapiens GN=AKAP12 PE=1 SV... 13,898 0
1185 RanBP-type and C3HC4-type zinc finger-containing protein 1 O... 13,875 0
1186 Dynactin subunit 1 OS=Homo sapiens GN=DCTN1 PE=1 SV=3 13,842 0
1187 S'-AMP-activated protein kinase catalytic subunit alpha-2 OS... 0 13,834
1188 Rab11 family-interacting protein 2 OS=Homo sapiens GN=RAB11F... 13,821 0
1189 Heterochromatin protein 1-binding protein 3 OS=Homo sapiens ... 0 13,809
1190 PDZ domain-containing RING finger protein 3 OS=Homo sapiens ... 6,638 7,164
1191 Myosin-6 OS=Homo sapiens GN=MYH6 PE=1 SV=4 0 13,784
1192 Myosin-1 OS=Homo sapiens GN=MYH1 PE=1 SV=3 0 13,784
1193 Probable ATP-dependent RNA helicase DDX46 OS=Homo sapiens GN... 13,727 0
1194 Protein KIAA1199 OS=Homo sapiens GN=KIAA1199 PE=1 SV=2 5,199 8,416
Sec1 family domain-containing protein 1 OS=Homo sapiens GN=SNX1 PE=1 SV=3
1195 13,556 0
Serine/threonine-protein phosphatase 6 regulatory ankyrin re...
1196 6,516 7,032
2'-5'-oligoadenylate synthase 3 OS=Homo sapiens GN=OAS3 PE=1...
1197 6,51 7,025
Cytoplasmic dynemin 1 light intermediate chain 1 OS=Homo sapi...
1198 13,53 0
Translation initiation factor elf-2B subunit delta OS=Homo s...
1199 13,53 0
 Arylsulfatase G OS=Homo sapiens GN=ARSG PE=1 SV=1
1200 13,478 0
Tumor necrosis factor alpha-induced protein 3 OS=Homo sapien...
1201 13,436 0
Probable E3 ubiquitin-protein ligase HERC4 OS=Homo sapiens G...
1202 13,389 0
DnaJ homolog subfamily C member 10 OS=Homo sapiens GN=DNAJC1...
1203 13,385 0
E3 UFM1-protein ligase 1 OS=Homo sapiens GN=KIAA0776 PE=1 SV...
1204 13,368 0
YTH domain family protein 3 OS=Homo sapiens GN=YTHDF3 PE=1 S...
1205 0 13,351
Exportin-1 OS=Homo sapiens GN=XPO1 PE=1 SV=1
1206 13,214 0
Dynamin-3 OS=Homo sapiens GN=DNM3 PE=1 SV=1
1207 0 13,182
Coatamer subunit gamma-2 OS=Homo sapiens GN=COPG2 PE=1 SV=1
1208 0 13,151
Peptidyl-prolyl cis-trans isomerase FKBP10 OS=Homo sapiens G...
1209 0 13,121
Liprin-beta-2 OS=Homo sapiens GN=PFFIBP2 PE=2 SV=2
1210 0 13,076
Myosin-If OS=Homo sapiens GN=MYO1F PE=1 SV=3
1211 12,889 0
Lyseyl-tRNA synthetase OS=Homo sapiens GN=KARS PE=1 SV=3
1212 0 12,791
Rho-associated protein kinase 2 OS=Homo sapiens GN=ROCK2 PE...
1213 12,745 0
Transcription intermediary factor 1-beta OS=Homo sapiens GN...
1214 12,712 0
DnaJ homolog subfamily C member 11 OS=Homo sapiens GN=DNAJC1...
1215 12,659 0
Prostaglandin G/H synthase 2 OS=Homo sapiens GN=PTGS2 PE=1 S...
1216 0 12,643
Cytoplasmic purine 5'-nucleotidase OS=Homo sapiens GN=NT5C2 PE...
1217 12,614 0
Asparagine synthetase [glutamine-hydrolyzing] OS=Homo sapien...
1218 12,614 0
Eukaryotic translation initiation factor 3 subunit L OS=Homo ...
1219 12,546 0
Signal transducer and activator of transcription 2 OS=Homo s...
1220 12,473 0
Vacuolar protein sorting-associated protein 41 homolog OS=Ho...
1221 12,429 0
Discoindin domain-containing receptor 2 OS=Homo sapiens GN=DD...
1222 12,414 0
CCR4-NOT transcription complex subunit 1 OS=Homo sapiens GN...
1223 5,956 6,428
Alpha-2-macroglobulin OS=Homo sapiens GN=A2M PE=1 SV=2
1224 7,201 5,181
60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=
1225 12,349 0
Keratinocyte proline-rich protein OS=Homo sapiens GN=KPRP PE...
1226 12,221 0
Carboxylesterase OS=Homo sapiens GN=CRAT PE=1 S...
1227 0 12,199
Nuclear factor of activated T-cells, cytoplasmic 4 OS=Homo s...
1228 11,767 0
Rab11 family-interacting protein 5 OS=Homo sapiens GN=RAB11F...
1229 0 11,695
Serine/threonine-protein kinase A-Raf OS=Homo sapiens GN=ARA...
1230 11,677 0
Protein SOLO OS=Homo sapiens GN=SOL0 PE=1 SV=2
1231 11,646 0
Mitochondrial import receptor subunit TOM70 OS=Homo sapiens ...
1232 11,638 0
Peroxosomal acyl-coenzyme A oxidase 1 OS=Homo sapiens GN=AOC...
1233 0 11,57
72 kDa type IV collagenase OS=Homo sapiens GN=MMP2 PE=1 SV=2...
1234 0 11,57
Extended synaptotagmin-2 OS=Homo sapiens GN=ESYT2 PE=1 SV=1
1235 11,525 0
Probable 10-formyltetrahydrofolate dehydrogenase ALDH1L2 OS=
1236 5,531 5,969
Large homolog 5 OS=Homo sapiens GN=DLG5 PE=1 SV=4
1237 11,5 0
Kinesin light chain 4 OS=Homo sapiens GN=KLC4 PE=1 SV=3
1238 11,432 0
DnaJ homolog subfamily C member 2 OS=Homo sapiens GN=DNAJC2 ...
1239 11,395 0
cGMP-dependent protein kinase 1 OS=Homo sapiens GN=PRKG1 PE=...
1240 0 11,381
Kelch-like ECH-associated protein 1 OS=Homo sapiens GN=KEAP1...
1241 11,34 0
Serine/threonine-protein kinase mTOR OS=Homo sapiens GN=FRAP...
1242 8,328 2,996
Dystrobrevin beta OS=Homo sapiens GN=DTNB PE=1 SV=1
1243 11,286 0
Zinc finger protein 252 OS=Homo sapiens GN=ZNF252 PE=2 SV=2
1244 0 11,192
Acetolactate synthase-like protein OS=Homo sapiens GN=ILVBL ...
1245 0 11,196
HBS1-like protein OS=Homo sapiens GN=HBS1L PE=1 SV=1
1246 0 11,164
Nuclear GTP-binding protein 1 OS=Homo sapiens GN=GTPBP4 PE=...
1247 11,161 0
Bullous pemphigoid antigen 1 OS=Homo sapiens GN=DST PE=1 SV=...
1248 5,609 5,548
Exosome complex exonuclease RRP44 OS=Homo sapiens GN=DIS3 PE=...
1249 11,08 0
Importin-7 OS=Homo sapiens GN=IP07 PE=1 SV=1
1250 0 11,035
Sec1 family domain-containing protein 1 OS=Homo sapiens GN=S...
| Gene Name                                                                 | OS       | GN       | PE     | SV     |
|---------------------------------------------------------------------------|----------|----------|--------|--------|
| Protein bicaudal C homolog 1 OS=Homo sapiens GN=BICC1 PE=1 S...            | 7,84     |          | 0      |        |
| DNA replication licensing factor MCM2 OS=Homo sapiens GN=MCM...            | 7,828    | 0        |        |        |
| Zinc finger protein 721 OS=Homo sapiens GN=ZNFT21 PE=2 SV=2              | 7,767    | 0        |        |        |
| Nuclear pore complex protein Nup155 OS=Homo sapiens GN=NUP15...           | 7,631    | 0        |        |        |
| Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens GN=PRPF...          | 7,576    | 0        |        |        |
| Oral-facial-digital syndrome 1 protein OS=Homo sapiens GN=OF...           | 7,546    | 0        |        |        |
| Pre-mRNA-processing factor 6 OS=Homo sapiens GN=PRPF6 PE=1 S...           | 7,52     | 0        |        |        |
| Protein LAP2 OS=Homo sapiens GN=ERBB2IP PE=1 SV=2                      | 7,517    | 0        |        |        |
| 5'-3' exoribonuclease 2 OS=Homo sapiens GN=XRN2 PE=1 SV=1                | 7,449    | 0        |        |        |
| Probable ATP-dependent RNA helicase YTHDC2 OS=Homo sapiens G...          | 7,423    | 0        |        |        |
| Exportin-T OS=Homo sapiens GN=XPOT PE=1 SV=2                            | 7,356    | 0        |        |        |
| SH3 domain-binding protein 4 OS=Homo sapiens GN=SH3BP4 PE=1 ...           | 7,348    | 0        |        |        |
| Importin(P) OS=Homo sapiens GN=IP09 PE=1 SV=3                            | 7,336    | 0        |        |        |
| Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-contain...          | 7,32     | 0        |        |        |
| Prolow-density lipoprotein receptor-related protein 1 OS=Hom...           | 3,115    | 4,201    |        |        |
| CAP-Gly domain-containing linker protein 2 OS=Homo sapiens G...           | 0        | 7,301    |        |        |
| Exocyst complex component 4 OS=Homo sapiens GN=EXOC4 PE=1 SV...           | 7,265    | 0        |        |        |
| Putative RNA-binding protein 15 OS=Homo sapiens GN=RBM15 PE=...           | 7,243    | 0        |        |        |
| Peroxisome assembly factor 2 OS=Homo sapiens GN=PEx6 PE=1 SV=1           | 7,221    | 0        |        |        |
| DNA2-like helicase OS=Homo sapiens GN=DNA2 PE=1 SV=3                    | 7,204    | 0        |        |        |
| RING finger protein 31 OS=Homo sapiens GN=RNF31 PE=1 SV=1                | 7,124    | 0        |        |        |
| Ubiquitin-associated protein 2-like OS=Homo sapiens GN=UBAP2...           | 7,025    | 0        |        |        |
| Cytosin-A OS=Homo sapiens GN=CYTS2 PE=1 SV=1                            | 6,837    | 0        |        |        |
| Apoptosis-stimulating of p53 protein 2 OS=Homo sapiens GP...             | 0        | 6,77     |        |        |
| Large proline-rich protein BAT3 OS=Homo sapiens GN=BAT3 PE=1 ...          | 0        | 6,746    |        |        |
| EMLILIN-2 OS=Homo sapiens GN=EMLINL2 PE=1 SV=2                           | 6,72     | 0        |        |        |
| DNA damage-binding protein 1 OS=Homo sapiens GN=DDB1 PE=1 SV...           | 6,699    | 0        |        |        |
| Nuclear pore complex protein Nup133 OS=Homo sapiens GN=NUP13...          | 6,606    | 0        |        |        |
| Serologically defined colon cancer antigen 1 OS=Homo sapiens...          | 6,576    | 0        |        |        |
| Importin-4 OS=Homo sapiens GN=IP04 PE=1 SV=2                            | 6,546    | 0        |        |        |
| NAD(P) transhydrogenase, mitochondrial OS=Homo sapiens GN=NN...           | 6,516    | 0        |        |        |
| TATA element modulatory factor OS=Homo sapiens GN=TMF1 PE=1 ...           | 6,474    | 0        |        |        |
| Leukemia inhibitory factor receptor OS=Homo sapiens GN=LI...             | 6,45     | 0        |        |        |
| Ovostatin homolog 1 OS=Homo sapiens GN=OVOS1 PE=2 SV=2                   | 6,444    | 0        |        |        |
| Selenocyteine insertion sequence-binding protein 2-like OS=...            | 6,427    | 0        |        |        |
| Ubiquitin carboxyl-terminal hydrolase 7 OS=Homo sapiens GN=U...          | 6,421    | 0        |        |        |
| Partitioning defective 3 homolog OS=Homo sapiens GN=PARD3B...             | 6,337    | 0        |        |        |
| Sodium bicarbonate cotransporter 3 OS=Homo sapiens GN=SLC4A7...          | 6,29     | 0        |        |        |
| EH domain-binding protein 1 OS=Homo sapiens GN=EHBPI PE=1 SV...           | 6,204    | 0        |        |        |
| Chromosome-associated kinesin KIF4A OS=Homo sapiens GN=KIF4A...           | 6,198    | 0        |        |        |
| Microtubule-actin cross-linking factor 1, isoform 4 OS=Homo ...           | 2,979    | 3,215    |        |        |
| 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase be...           | 5,971    | 0        |        |        |
| Tyrosine-protein phosphatase non-receptor type 13 OS=Homo sa...           | 2,848    | 3,073    |        |        |
| E3 ubiquitin-protein ligase HUWE1 OS=Homo sapiens GN=HUWE1 P...           | 2,427    | 3,492    |        |        |
| Pleckstrin homology-like domain family B member 2 OS=Homo sa...           | 5,647    | 0        |        |        |
| Leucine-rich repeat-containing protein 168 OS=Homo sapiens G...           | 5,566    | 0        |        |        |
| RING finger protein 213 OS=Homo sapiens GN=RNF213 PE=1 SV=2              | 3,236    | 2,328    |        |        |
| UPF0439 protein KIAA1632 OS=Homo sapiens GN=KIAA1632 PE=2 SV...           | 5,488    | 0        |        |        |
| PERQ amino acid-rich with GYF domain-containing protein 2 OS...           | 5,447    | 0        |        |        |
| Tensin-like C1 domain-containing phosphatase OS=Homo sapiens...           | 0        | 5,42     |        |        |
| Aldehyde oxidase OS=Homo sapiens GN=AOX1 PE=2 SV=2                      | 5,289    | 0        |        |        |
| Multiple PDZ domain protein OS=Homo sapiens GN=MPDZ PE=1 SV=...          | 5,198    | 0        |        |        |
| Phosphatidylinositol 4-kinase alpha OS=Homo sapiens GN=PI4KA...           | 5,193    | 0        |        |        |
| Neuropathy target esterase OS=Homo sapiens GN=PNPLA6 PE=1 SV=...         | 5,18     | 0        |        |        |
| Myosin-X OS=Homo sapiens GN=MYO10 PE=1 SV=3                             | 5,158    | 0        |        |        |
| Mitogen-activated protein kinase kinase kinase 1 OS=Homo sap...           | 0        | 5,051    |        |        |
| Cell division protein kinase 13 OS=Homo sapiens GN=CDK13 PE=...          | 0        | 5,051    |        |        |
| Gene Name                                                                 | Feature                                        | Start Position | End Position |
|--------------------------------------------------------------------------|------------------------------------------------|----------------|--------------|
| Tenascin                                                                 | OS=Homo sapiens GN=TNC PE=1 SV=3              | 4,822          | 0            |
| Centrosome-associated protein CEP250                                   | OS=Homo sapiens GN=CEP2                      | 0              | 4,691        |
| UDP-glucose:glycoprotein glucosyltransferase 1 OS=Homo sapiens          |                                                | 4,551          | 0            |
| Golgin subfamily B member 1 OS=Homo sapiens GN=GOLGB1 PE=1 S...         |                                                | 2,171          | 2,343        |
| Ras GTPase-activating-like protein IQGAP2 OS=Homo sapiens               |                                                | 4,493          | 0            |
| Neuroblastoma-amplified sequence OS=Homo sapiens GN=NBAS PE=...         |                                                | 4,477          | 0            |
| Nucleoporin NUP188 homolog OS=Homo sapiens GN=NUP188 PE=1 SV=2          |                                                | 0              | 4,366        |
| Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containin...        |                                                | 4,331          | 0            |
| Ankyrin repeat domain-containing protein 11 OS=Homo sapiens ...         |                                                | 0              | 4,301        |
| Sodium channel protein type 11 subunit alpha OS=Homo sapiens...         |                                                | 0              | 4,264        |
| Inositol 1,4,5-trisphosphate receptor type 1 OS=Homo sapiens...          |                                                | 0              | 4,153        |
| Rapamycin-insensitive companion of mTOR OS=Homo sapiens GN=R...         |                                                | 4,143          | 0            |
| Peripheral-type benzodiazepine receptor-associated protein 1...          |                                                | 0              | 4,112        |
| Microtubule-associated protein 1A OS=Homo sapiens GN=MAP1A P...          |                                                | 0              | 4,086        |
| Neuron navigator 1 OS=Homo sapiens GN=NAV1 PE=1 SV=2                   |                                                | 0              | 4,068        |
| A disintegrin and metalloproteinase with thrombospondin modi...         |                                                | 0              | 3,998        |
| Probable E3 ubiquitin-protein ligase MYCBP2 OS=Homo sapiens ...         |                                                | 1,525          | 2,469        |
| Retinoblastoma-binding protein 6 OS=Homo sapiens GN=RBBP6 PE...          |                                                | 3,949          | 0            |
| Kinesin-like protein KIF13A OS=Homo sapiens GN=KIF13A PE=1 S...         |                                                | 3,898          | 0            |
| Thyroid receptor-interacting protein 11 OS=Homo sapiens GN=T...         |                                                | 0              | 3,859        |
| Rootletin OS=Homo sapiens GN=CROCC PE=1 SV=1                            |                                                | 0              | 3,786        |
| Matrix-remodeling-associated protein 5 OS=Homo sapiens GN=MX...          |                                                | 3,753          | 0            |
| Myosin-13 OS=Homo sapiens GN=MYH13 PE=1 SV=1                            |                                                | 3,651          | 0            |
| Myosin-3 OS=Homo sapiens GN=MYH3 PE=1 SV=3                              |                                                | 3,648          | 0            |
| Chromodomain-helicase-DNA-binding protein 4 OS=Homo sapiens ...         |                                                | 3,619          | 0            |
| Pecanex-like protein 2 OS=Homo sapiens GN=PCNXL2 PE=1 SV=3              |                                                | 0              | 3,573        |
| Uncharacterized protein C2orf16 OS=Homo sapiens GN=C2orf16 P...          |                                                | 3,567          | 0            |
| Structural maintenance of chromosomes flexible hinge domain-...          |                                                | 3,529          | 0            |
| PHD finger protein 3 OS=Homo sapiens GN=PHF3 PE=1 SV=3                 |                                                | 3,47           | 0            |
| Dedicator of cytokinesis protein 11 OS=Homo sapiens GN=DOCK1...          |                                                | 3,414          | 0            |
| Adenomatous polyposis coli protein 2 OS=Homo sapiens GN=APC2...          |                                                | 0              | 3,316        |
| Myosin-VIIa OS=Homo sapiens GN=MYO7A PE=1 SV=1                           |                                                | 3,195          | 0            |
| Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 O...          |                                                | 0              | 2,813        |
| Epipakin OS=Homo sapiens GN=EPKP1 PE=1 SV=1                             |                                                | 2,794          | 0            |
| Neurogenic locus notch homolog protein 1 OS=Homo sapiens GN=...          |                                                | 2,77           | 0            |
| Inositol 1,4,5-trisphosphate receptor type 2 OS=Homo sapiens...          |                                                | 2,62           | 0            |
| Kalirin OS=Homo sapiens GN=KALRN PE=1 SV=2                              |                                                | 0              | 2,558        |
| Fibrillin-1 OS=Homo sapiens GN=FBN1 PE=1 SV=2                           |                                                | 2,465          | 0            |
| Dystrophin OS=Homo sapiens GN=DMD PE=1 SV=2                             |                                                | 1,92           | 0            |
| Protein AHNAK2 OS=Homo sapiens GN=AHNAK2 PE=1 SV=2                      |                                                | 0              | 1,318        |
| G-protein coupled receptor 98 OS=Homo sapiens GN=GPR98 PE=1 ...          |                                                | 0              | 1,211        |
| Titin OS=Homo sapiens GN=TTN PE=1 SV=2                                  |                                                | 0              | 0,333        |