Supplemental Information

circFMN2 Sponges miR-1238 to Promote the Expression of LIM-Homeobox Gene 2 in Prostate Cancer Cells

Guangyi Shan, Bo Shao, Qiang Liu, Yu Zeng, Cheng Fu, Ang Chen, and Qiguang Chen
Fig. S1 A. The qRT-PCR assay indicated the expression level of FMN2 in PC3 cells treated with si-circFMN2. Data are the means ± SD of three experiments; B. The qRT-PCR assay indicated the expression level of FMN2 in DU145 cells treated with si-circFMN2. Data are the means ± SD of three experiments; C. The qRT-PCR assay indicated the expression level of circFMN2 in PC3 cells treated with si-FMN2. Data are the means ± SD of three experiments; D. The qRT-PCR assay indicated the expression level of circFMN2 in DU145 cells treated with si-FMN2. Data are the means ± SD of three experiments.
Fig. S2  A. The qRT-PCR analysis indicated that miR-1238 was expressed at low level in PCa cells; B. miR-1238 could significantly reverse the circFMN2 over-expression mediated promotion of proliferation. C. circFMN2 was secreted into exosomes derived from serum of PCa
patients. A representative image of exosome (indicated by red arrows) derived from serum of PCa patients detected from electron microscope; D. WB showing the expression of CD63, TSG101 and HSP70, which are the markers of exosome from purified serum exosome; E. RT-qPCR for the abundance of circFMN2 in serum exosomes. The levels of circFMN2 in serum exosomes from PCa patients were significantly higher than that in normal individuals; F. the expression levels of circFMN2 were negatively correlated with that of miR-1238 in the exosomes extracted from serum of PCa patients. All tests were at least performed three times. Data were expressed as mean ± SD; **P < 0.01;