Supplementary Information

Overexpression of DHX32 contributes to the growth and metastasis of colorectal cancer

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Figure S1. Stable depletion or overexpression of DHX32. Real-time RT-PCR and western blot analyses showed that expression of DHX32 was reduced (a, b) or increased (c, d) by shRNA or cDNA transfection, respectively. β -actin was used as a loading control. NC, vector only as a negative control.



The cell motility was analyzed by the scratch assays as described in Methods. Cell migration was performed using the Transwell chambers(c, d) and invasion through the Matrigel-coated filters(e, f). After 24 hours of incubation, DHX32-depleted cells and the control cells remained in the upper chambers were removed and cells migrated to the lower chambers were fixed, stained, and counted in six random fields with $200 \times$ magnification. For DHX32-overexpressed cells and the control cells, the harvest time was 18 hours. Representative images were shown.



Figure S3. 5-FU decreased DHX32 mRNA and protein levels. **a**, 5-FU inhibited DHX32 expression at mRNA level. SW480 cells were treated with different doses of 5-FU (10, 20, 40 μ M) for 12 hours, and DHX32 mRNA levels were determined using RT-qPCR. **b**, 5-FU suppressed DHX32 expression at protein level. SW480 cells were treated with different doses of 5-FU (10, 20, 40 μ M) for 12 hours, and the protein levels of DHX32 were detected by immunoblotting. β-actin levels were used as a loading control.

The full-length blots in Fig.1 b



The full-length blots in Fig.3 c



The full-length blots in Fig.3 d

