**Figure legend**

**Figure S1.** (A) Quantitative PCR (qPCR) analysis showing the relative expression levels of the indicated genes. Data are presented as mean ± SEM from three independent experiments. Statistical significance was determined using Student's *t*-test, ns: *p*≥0.05, \*\**p*< 0.01, \*\*\**p*< 0.001, \*\*\*\**p*< 0.0001. (B) Expression levels of the KHSRP gene in different pathological grades of gastric cancer. Data are presented as mean ± SEM. Statistical comparisons between groups were performed using one-way ANOVA. (C) Representative images of Transwell migration and invasion assays. Migrated and invaded cells were stained and imaged under a light microscope. (D) Quantitative analysis of Transwell migration and invasion experiments. The number of migrated and invaded cells was quantified from three independent experiments and presented as mean ± SEM. \*\*\**p*< 0.001.(E) Flow cytometry gating strategy for cell sorting. Gated populations represent the subsets used in downstream analysis.