Fig. S1. EMC6 protein is decreased in gastric adenocarcinoma. (A) The expression of EMC6 was detected in stomach adenocarcinoma and non-tumor tissues adjacent to cancer using immunohistochemistry (red arrows represented normal gastric gland cells; yellow arrows represented cancerous cells). (B) The correlation between the levels of EMC6 mRNA and the survival time in 876 patients with gastric cancer.
Fig. S2. EMC6 induces growth arrest of SGC7901 cells. (A) Representative images of the colony formation of SGC7901 cells transfected with pCDB-EMC6 or pCDB-Vector were shown. (B) Data are expressed as mean ± SD from 3 experiments. ** $P < 0.01$. 
Fig. S3. EMC6 failed to induce autophagy in BGC823 and SGC7901 cells. (A) SGC7901 cells were transfected with either pCDB-Vector or pCDB-EMC6 for 24 h, and then treated with 25 μM chloroquine for the last 4 h. The levels of endogenous LC3B-II and SQSTM1 protein were analyzed by Western blotting. (B) Quantification of amounts of LC3B-II relative to GAPDH in cells treated as in (A). Average value in vector-transfected cells without chloroquine was normalized as 1. Data are means ± SD of results from 3 experiments. (C) Representative confocal microscopy images of GFP-LC3B distribution obtained from BGC823 and SGC7901 cells transfected with the indicated plasmids and treated as in (A). Scale bar: 25 μm.
Fig. S4. EMC6 induces cell apoptosis. BGC823 cells were infected with either Ad5-Null or Ad5-EMC6 at 200 MOI for the indicated times. Cell apoptosis was detected using an FITC-Annexin V/PI staining detection kit according to the manufacturer’s instruction. Fluorescence signals were detected through a FACSCalibur flow cytometer to determine the percentage of apoptotic cells, which included Annexin V+PI+ double and Annexin V+ single positive cells. Representative images of flow cytometer analysis are shown.
Fig. S5. Ad5-EMC6 decreases migration of SGC7901 cells. (A) Representative images of migrated cells are shown. SGC7901 cells (1×10⁵ cells) were infected with either Ad5-Null or Ad5-EMC6 (MOI = 200) for 24 h, then used for transwell migration assay. After 24 h, the migrated cells were fixed in 10% formalin, stained with 1% crystal violet, and counted under a light microscope. (B) Data are presented as the mean ± SD of the results from 3 experiments. *** $P < 0.001$. 