

Supplemental information

**Cathepsin K promotes the proliferation of
hepatocellular carcinoma cells through induction
of SIAH1 ubiquitination and degradation**

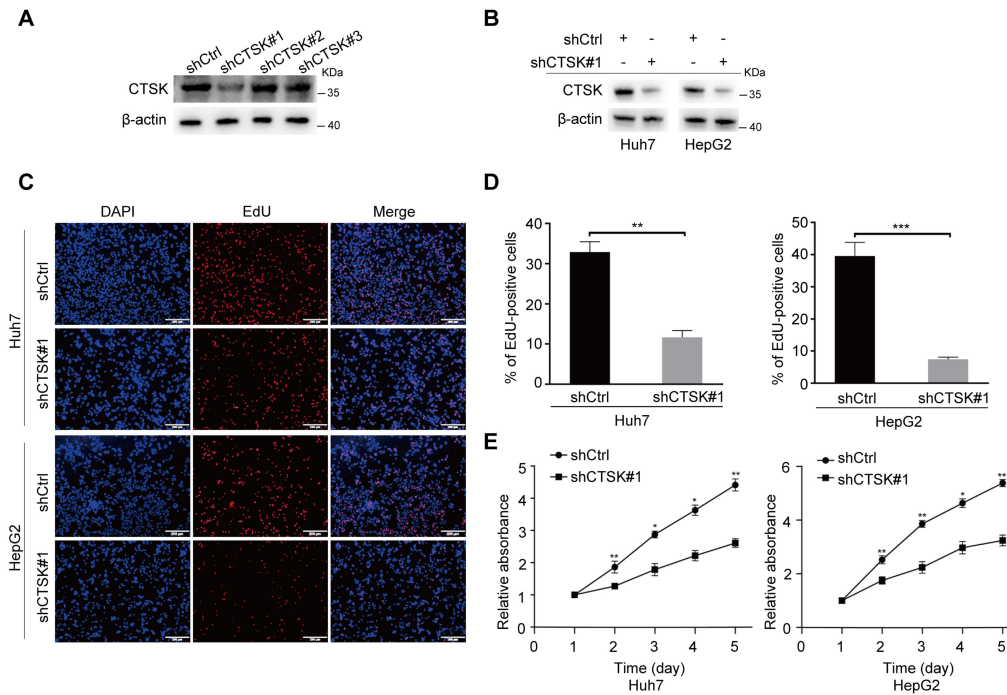
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Table S1. List of information on human studies. Related to STAR Methods.

Information on human studies	SOURCE	IDENTIFIER
Male, 38, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 42, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 45, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 52, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 32, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 44, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 61, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 55, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 52, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 38, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 47, Hemangioma	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 42, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 59, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 46, Hepatic trauma	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 56, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 49, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 53, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 46, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 36, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 52, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 60, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 39, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 62, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 58, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 55, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 48, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Male, 63, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A
Female, 51, HCC	The Affiliated Hospital of Xuzhou Medical University	N/A

There is no influence of age, developmental stage and sex on the study.

Figure S1. Knock down of CTSK inhibits the proliferation of HCC cells. Related to Figure 3.



A: Western blotting showed the silencing efficiency of CTSK protein level; B: Western blotting revealed the silencing efficiency of shCTSK#1 on CTSK protein level in Huh7 and HepG2 cells; C: Representative images of the EdU experiment. Scale bar: 200 μ m; D: Statistical analysis of EdU experiments performed in Huh7 and HepG2 cells after knock down of CTSK; E: Results of the CCK-8 assay. All quantitative data are means \pm s.e.m. from three independent experiments (n = 3). The value of first day in CCK-8 assay was labeled "1". * P < 0.05, ** P < 0.01, as evaluated by paired two-tailed Student's t test.