

Supplementary Information

**Transcriptional Regulator CTR9 Promotes Hepatocellular Carcinoma Progression
and Metastasis via Increasing PEG10 Transcriptional Activity**

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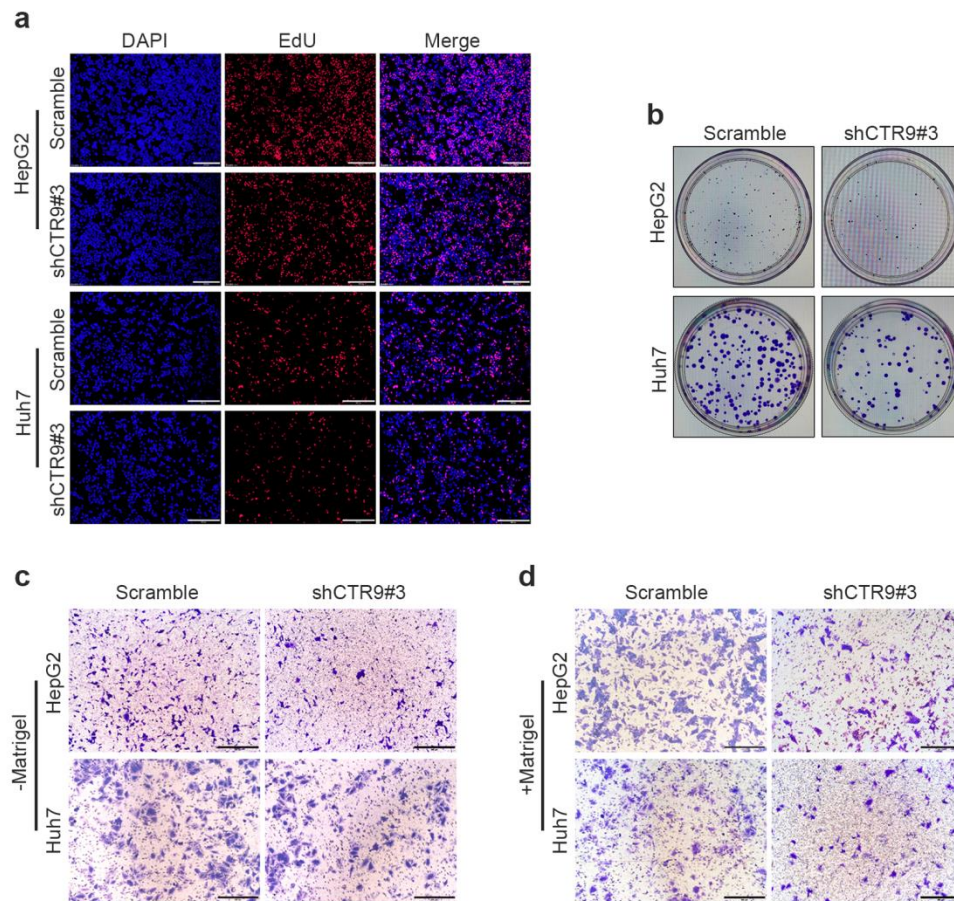


Fig S1. Cln Three Requiring 9 (CTR9) knockdown suppresses hepatocellular carcinoma (HCC) cell proliferation, invasion, and migration. **a** Representative images from the EdU-incorporation assay in HepG2 and Huh7 cells after CTR9 knockdown. **b** Representative images from the colony formation assay in *CTR9*-silenced HepG2 and Huh7 cells. **c** Representative images from the Transwell migration assay in *CTR9*-silenced HepG2 and Huh7 cells. **d** Representative images from the Transwell invasion assay in *CTR9*-silenced HepG2 and Huh7 cells.

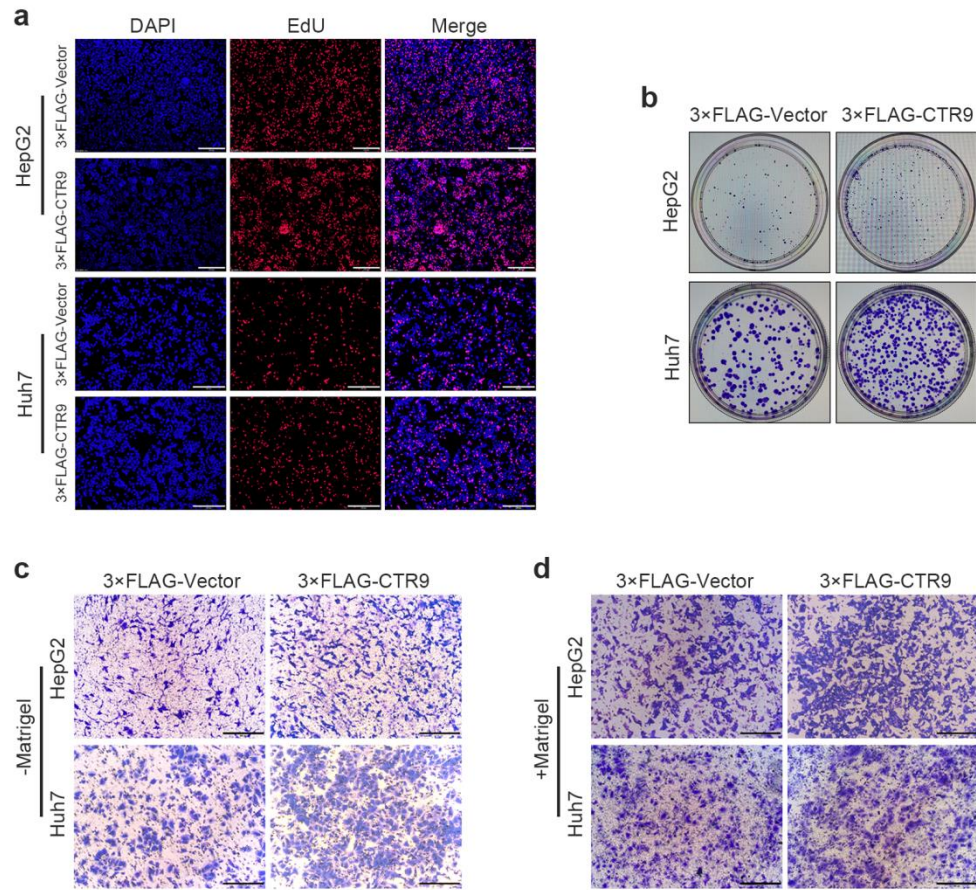


Fig S2. CTR9 overexpression enhances HCC cell proliferation, invasion, and migration. **a** Representative images from the EdU-incorporation assay in HepG2 and Huh7 cells after CTR9 overexpression. **b** Representative images from the colony formation assay in *CTR9*-overexpressing HepG2 and Huh7 cells. **c** Representative images from the Transwell migration assay in *CTR9*-overexpressing HepG2 and Huh7 cells. **d** Representative images from the Transwell invasion assay in *CTR9*-overexpressing HepG2 and Huh7 cells.

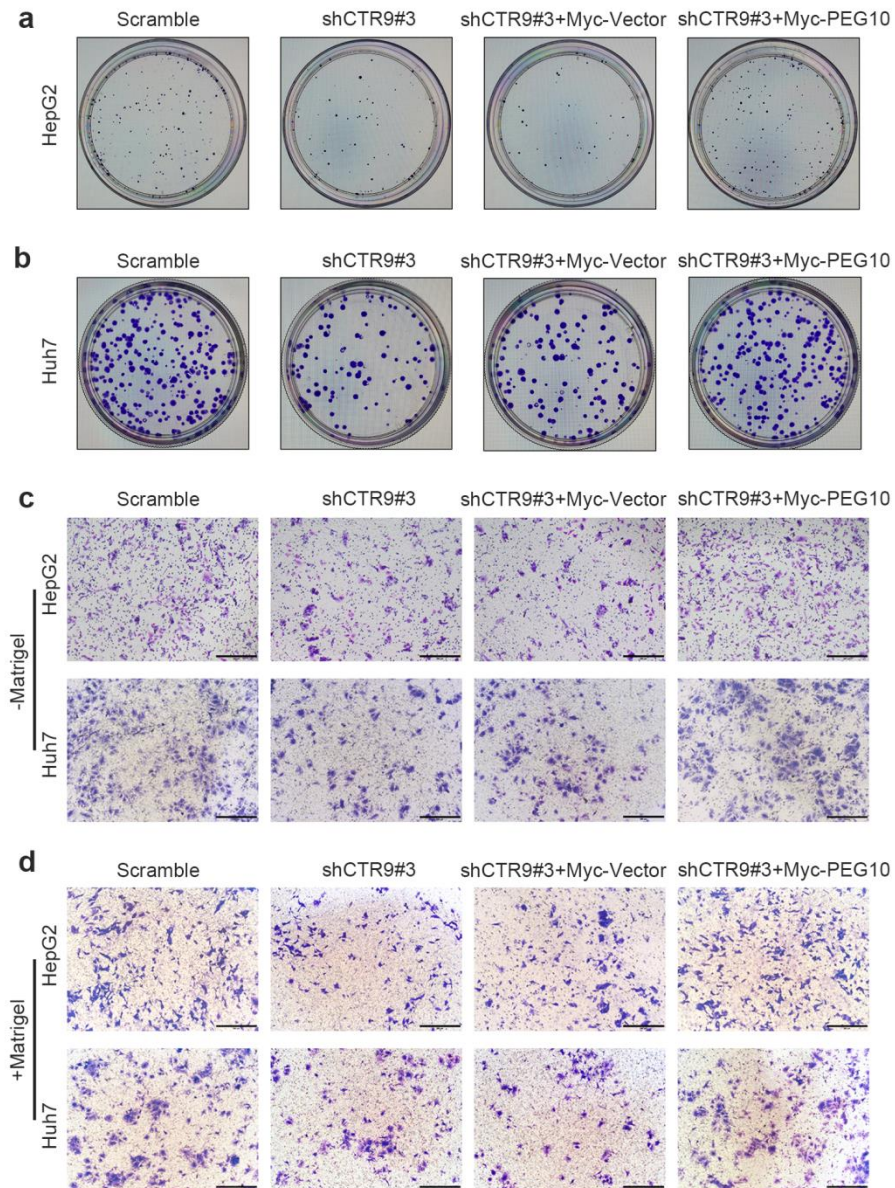


Fig S3. CTR9 positively regulates *paternally expressed gene 10 (PEG10)* transcription in HCC cells. a, b Representative images from the colony formation assay showing that *PEG10* overexpression effectively reverses the effects of CTR9 knockdown on HepG2 and Huh7 cell proliferation. **c, d** Representative images from Transwell migration and invasion assays showing that *PEG10* overexpression effectively reverses the effect of CTR9 knockdown on HepG2 and Huh7 cell migration and invasion.