



SUPPLEMENTARY FIG. S5. TCOF1 siRNA transient transfection in NC and MSC downregulates Treacle protein. (A) qRT-PCR showing the expression levels of TCOF1 in HESC-derived NC cells transfected with either TCOF1 siRNA or Scrambled siRNA (*left*). qRT-PCR showing the expression levels of TCOF1 in wild-type NC-derived MSC transfected with TCOF1 siRNA or scramble siRNA (*right*). The relative mRNA level was normalized to the house-keeping gene *PBGD*. The results are presented as mean \pm SD of three independent experiments. $**P < 0.01$, two-sided Student's *t*-test. (B) Histogram of the percentage of Treacle positive cells determined by flow cytometry analysis in HESC-derived NC cells transfected with TCOF1 siRNA or scrambled siRNA. Red histograms represent Treacle staining, and blue histograms represent IgG isotype controls. (C) Immunocytochemistry for Treacle protein (TCOF1) in HESC-derived NC transfected with either TCOF1 siRNA or Scramble siRNA. IgG is shown as a negative control. Scale bar 20 μ m. siRNA, small interfering RNA.