Supplementary Figure S4.

A, Relative cell number of the indicated SCLC cell lines. Luminescence of CellTiter-Glo was detected on Day 4 after seeding (n = 3). B, Flow cytometry analysis of apoptotic (annexin V+) cells in Scramble and sgDHX9 H1048 and DMS 114 cells. Data are representative of three independent experiments (left). Quantification of apoptotic cells is shown (right) (n = 3). C, Immunofluorescence images of DNA/RNA hybrid (red) staining of Scramble and sgDHX9 FC1010 cells (left) and quantification of fluorescence intensity (right) (60 cells were counted per group, n = 3). Scale bar = 50 μm. D, Immunoblot (IB) of the indicated proteins in FC1010 and H446 cells (Scramble and sgDHX9). E, qRT-PCR analysis of IFNB and CXCL10 genes comparing H196 cells with the indicated sgRNA vectors (n = 3). 36B4 gene was used as a reference. F, Growth curves of H196 cells, with the indicated sgRNA vectors (n = 6). G, Immunoblot (IB) of the indicated proteins in H196 cells with the indicated sgRNA vectors. H, Growth curves of H196 cells, with the indicated sgRNA vectors (n = 6).

Data represent mean ± SEM. ns, not significant; *p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001 by unpaired Student’s t test (A, B, and C), one-way ANOVA (E), two-way ANOVA followed by Tukey’s multiple comparisons test (F and H).