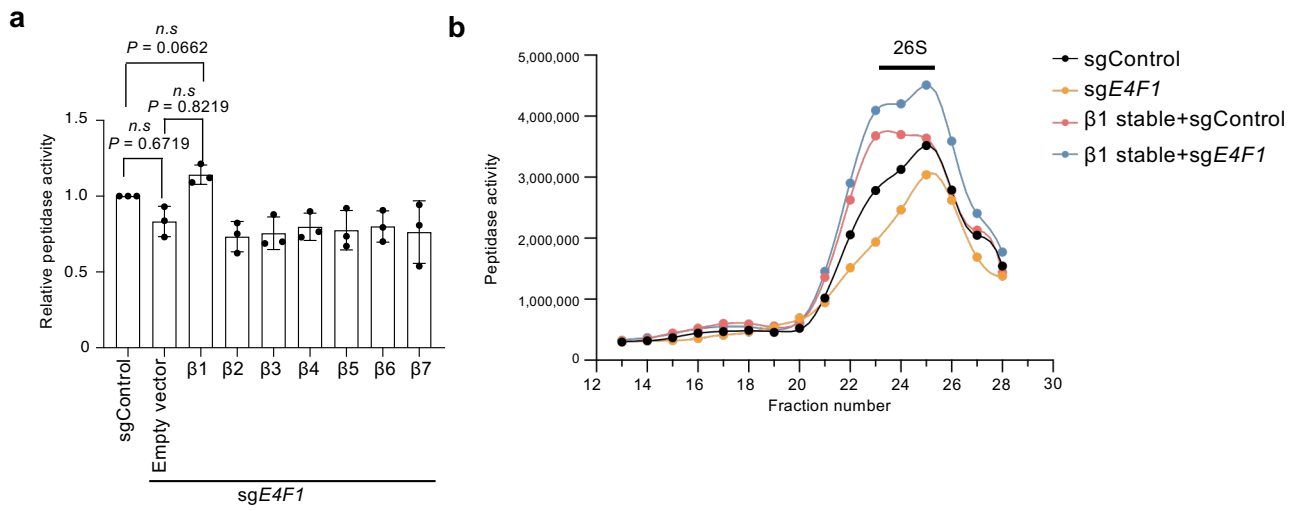




Supplementary Fig. 4 Restoration of $\beta 1$ rescues intact 26S proteasome activity in E4F1-deficient cells

a The same samples shown in Fig. 4a were analyzed for chymotrypsin-like proteasome activity in the absence of SDS. **b** HEK293T cells or HEK293T cells stably expressing $\beta 1$ -FLAG were transduced with the indicated sgRNAs and subjected to glycerol gradient centrifugation. Chymotrypsin-like proteasome activity was measured in each fraction in the absence of SDS. Data represent mean $\pm$ s.e.m. ($n = 3$ biologically independent experiments). Statistical significance was determined using one-way ANOVA followed by Tukey's multiple comparison test (**a**). * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$; **** $P < 0.0001$; $n.s.$, not significant. All experiments were performed at least three biologically independent times with similar results. Source data are provided as a Source Data file.