



Supplementary Figure S2. Analysis of different *CSF2RA*-expressing lentiviral constructs in Ba/F3 cells. **(a)** Schematic presentation of third-generation self-inactivating (SIN) lentiviral constructs expressing the wt or codon-optimized (coop) *CSF2RA* cDNA by the phosphoglycerate kinase promoter (PGK) or the elongation factor 1 α short promoter (EFS), respectively. **(b)** and **(c)** Representative histograms depicting human CD116 expression of non-transduced Ba/F3 cells (wt), Lv.PGK.CSF2RA⁻, Lv.EFS.CSF2RA⁻, and Lv.EFS.CSF2RA^{coop}-transduced Ba/F3 cells harboring defined numbers of one or two vector copies. **(d)** hGM-CSF-dependent survival of Lv.PGK.CSF2RA⁻, Lv.EFS.CSF2RA⁻, and Lv.EFS.CSF2RA^{coop}-transduced Ba/F3 cells with a defined VCN of 1 ($n=3$; one-way ANOVA using Dunnett's *post hoc* testing). ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.