

### **Rapalog-induced chemical dimerization experiments**

The chemical-induced dimerization (CID) experiments were performed using the FRB-Fis1 and FKBP fused to our gene of interest system. After consecutive lentiviral transduction of HeLa cells with both constructs, in which the FRB-Fis1 expresses mitochondrially targeted monoKeima (mt-mKeima), cells were treated with 500 nM Rapalog A/C hetero-dimerizer rapalog (635057, Takara) for 24 h. Cells were then analyzed by flow cytometry, using the mt-mKeima ratio (561/405) as a readout with an LSR Fortessa Cell Analyzer (BD Biosciences). The cells were gated for GFP/mt-mKeima double-positive cells, and 10,000 events were collected for this population. Data were analyzed using FlowJo.