

Figure S1. Detection of Id3 protein in cultured human islets infected with an adenovirus expressing Id3. Monolayer cultures of human islets were infected with adenoviral vectors expressing Ad-LacZ (A, C) or Ad-Id3 (B, D). Id3 (red) and insulin (green) expression were analyzed by immunofluorescence 48 h after infection. Blue nuclear counterstain is DAPI. Scale bars, A-D = 100 μ m

Figure S2. p57^{Kip2} downregulation by Id3 is cell autonomous. Monolayer cultures of islets were infected with adenoviral vectors expressing Ad-LacZ (A) or Ad-Id3 (B). p57^{Kip2} (red) and Id3 (green) expression were analyzed by immunofluorescence 48 h after infection. Scale bars = 100 μ m

Figure S3. Range of donors' ages for human islet preparations. The effects of Id3 on BrdU incorporation and DNA damage in β -cells were independent of donor age. The median age of donors was 43.7 y (n = 17).





