

Tectorigenin enhances PDX1 expression and protects pancreatic β -cells by activating ERK and reducing ER stress

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Supporting Information

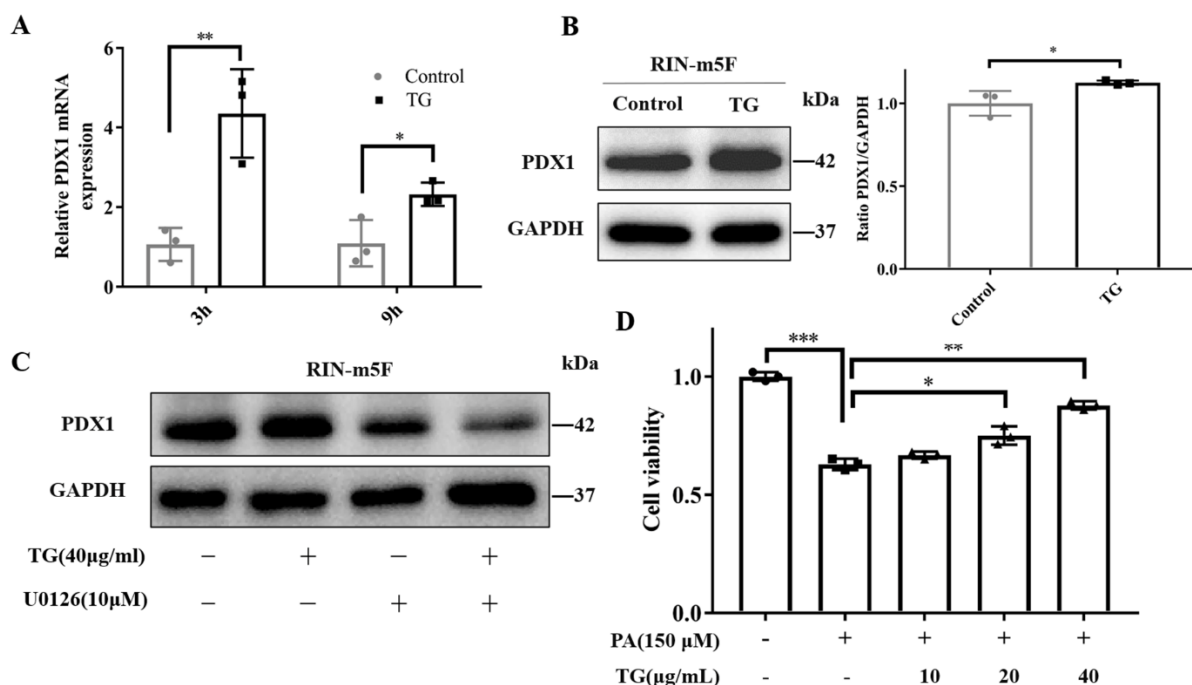


Figure S1. TG promotes PDX1 expression in RIN-m5F cells by activating ERK and improves the viability of RIN-m5F cells under lipotoxicity. (A) RT-qPCR analysis of mRNA levels of PDX1 in untreated or 40 μ g/ml TG-treated RIN-m5F cells for 3 h or 9 h. **(B)** Western blot analysis of PDX1 protein in RIN-m5F cells with or without 40 μ g/ml TG treatment for 24 h. Image J software was used for quantitative analysis. **(C)** Western blot analysis of PDX1 protein in RIN-m5F cells with combined treatment as indicated. **(D)** Cell viability of PA-treated RIN-m5F cells with or without TG treatment. Error bars represent \pm SD. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$