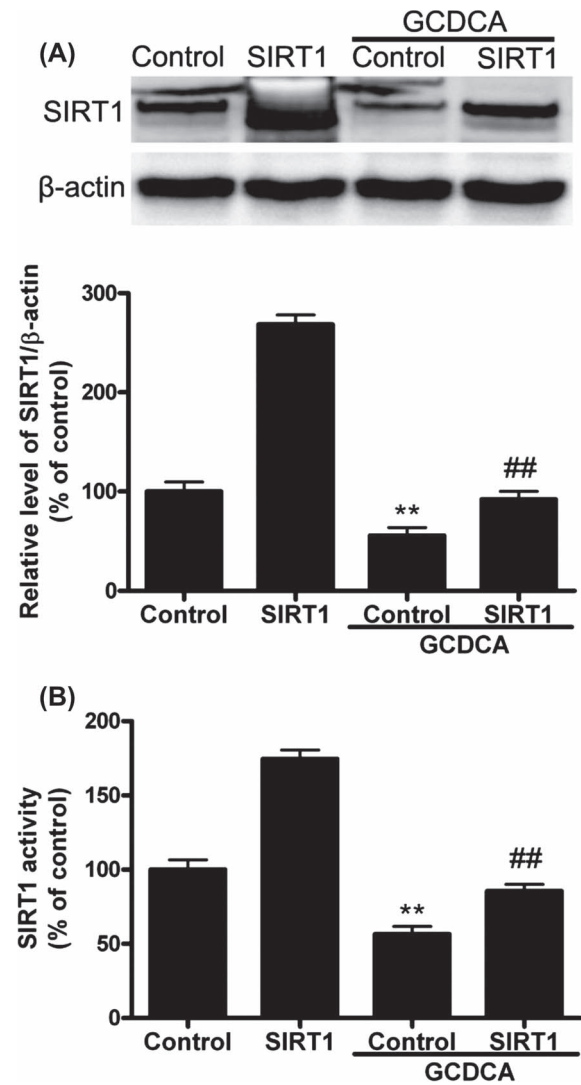


Supplementary Figure 1. GCDCA exposure increases mitochondrial ROS production (A) and the GCDCA-stimulated mitochondrial ROS inhibited by SIRT1 overexpression (B). The results are expressed as a percentage of the control, which was set at 100%. The values are presented as the means \pm SEM, ** p < 0.01 versus the control group, and ## p < 0.01 versus the GCDCA (75 μ M) group (n = 6).



Supplementary Figure 2. SIRT1 overexpression successfully enhanced both GCDCA-inhibited SIRT1 protein activity and expression. (A) Representative immunoblot of SIRT1 protein levels (110 kDa) in L02 cells. (B) SIRT1 activity was measured based on an enzymatic reaction using a SIRT1 assay kit. The results are expressed as a percentage of the control, which was set at 100%. The values are presented as the means \pm SEM, ** p < 0.01 versus the control group, and ## p < 0.01 versus the GCDCA (75 μ M) group (n = 6).