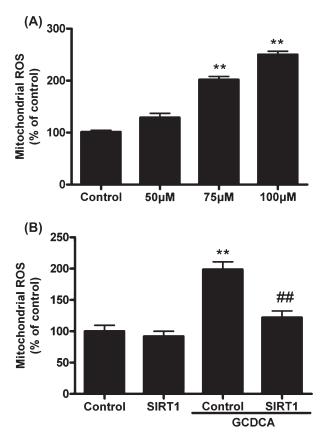
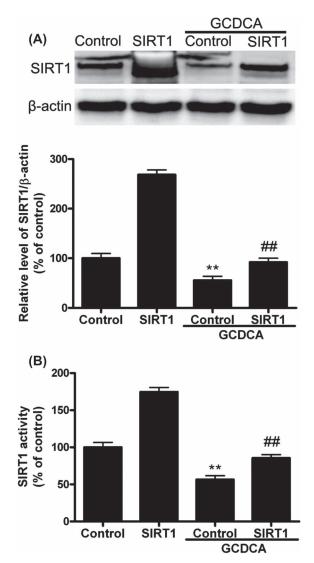
Supplementary material for Tan M, et al. SIRT1/PGC-1α signaling protects hepatocytes against mitochondrial oxidative stress induced by bile acids. Free Radical Research, 2015;49:935–945.



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  $\mu$ 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  $\mu$ M) group (n=6).