

Figure S1. The expression of Sirt1 is upregulated after treatment with resveratrol under normal gravity conditions. (a) Gene expression of Sirt1 after treatment with resveratrol; (b) Protein levels of Sirt1 after treatment with resveratrol. For each group, the values are the mean \pm SEM from three representative independent experiments. Control: solvent control (DMSO). * $p < 0.05$. Res, resveratrol.

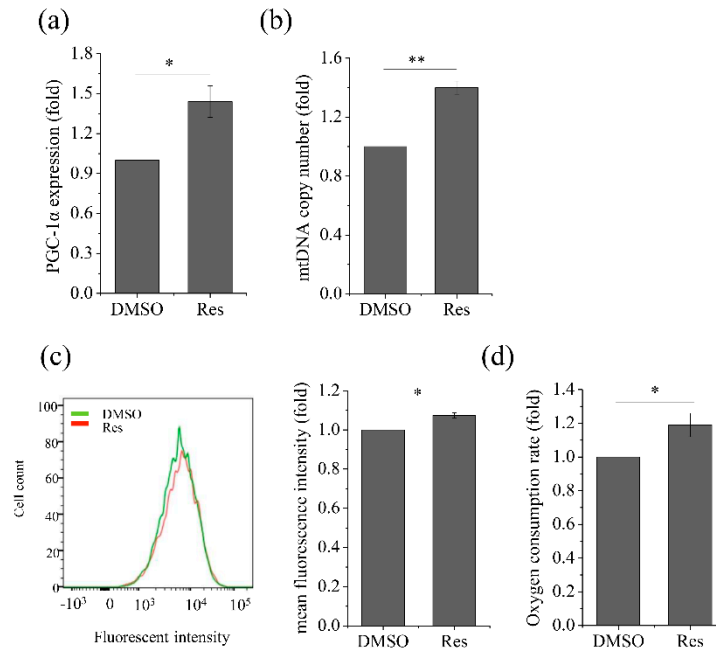


Figure S2. Upregulation of Sirt1 recovers OXPHOS of MSCs for 72h with resveratrol treatment under normal gravity conditions. (a) Gene expression of PGC-1 α . (b) Relative mtDNA copy number levels. (c) Cells were stained with MitoTracker Green for mitochondrial mass and assessed by flow cytometry. (d) Relative OCR levels. The values are the mean \pm SEM from three representative independent experiments. Control: solvent control (DMSO). * $p < 0.05$. Res, resveratrol.