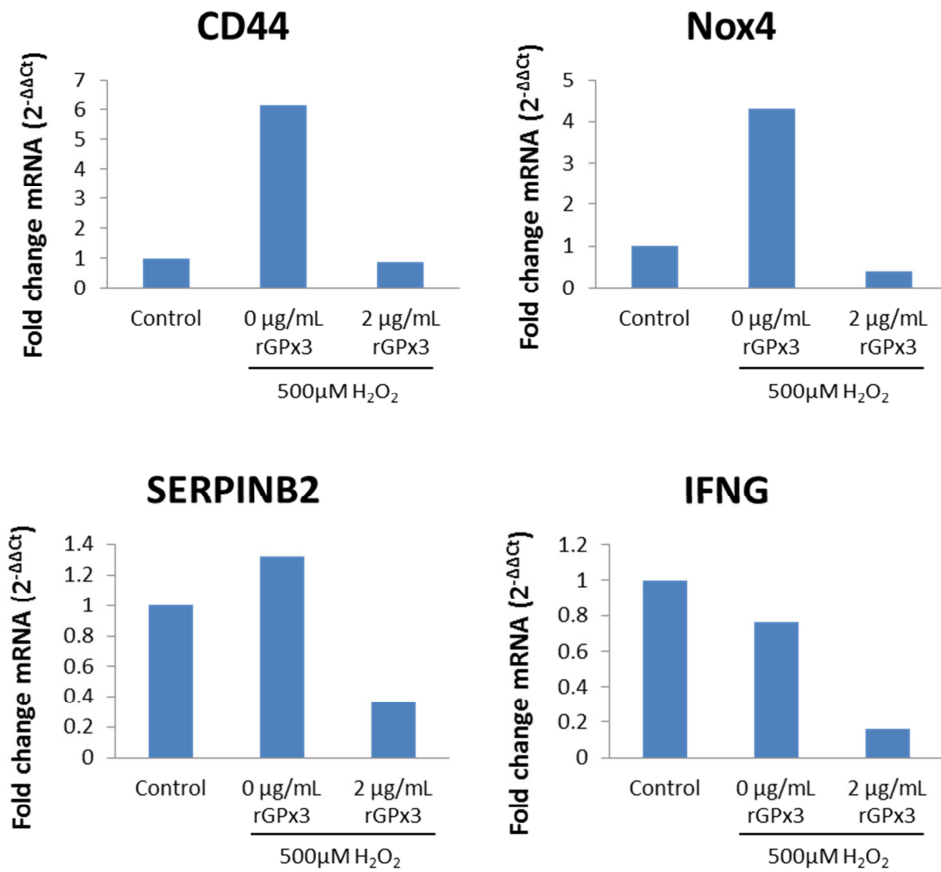


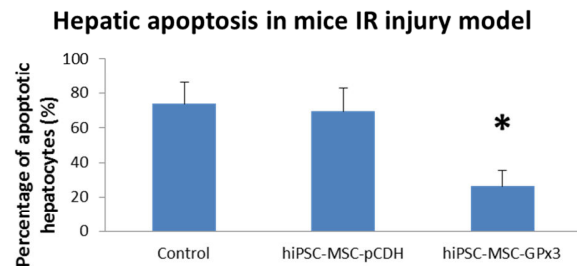
### Supplementary Figure. 1



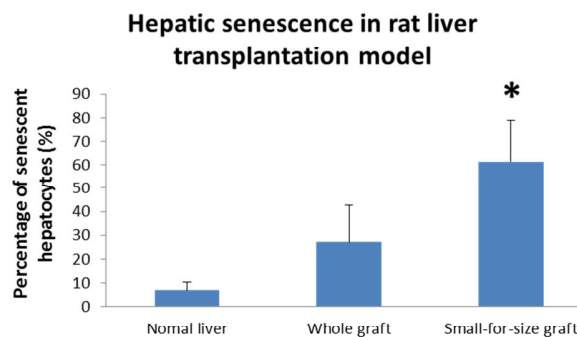
Supplementary Figure. 1. Four gene candidates were identified to be responsible for suppressive effect of GPx3 on hepatic senescence.

## Supplementary Figure. 2

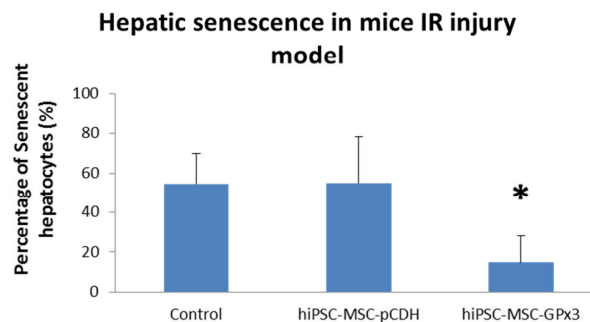
**A**



**B**



**C**



Supplementary Figure. 2. Quantification analysis. (A) Quantification of percentage of apoptotic hepatocytes in mice IR injury model. \* $P < 0.05$  vs Control & hiPSC-MSC-pCDH groups. (B) Quantification of percentage of senescent hepatocytes in orthotopic rat liver transplantation model. \* $P < 0.05$  vs normal liver & whole graft groups. (C) Quantification of percentage of senescent hepatocytes in mice IR injury model. \* $P < 0.05$  vs Control & hiPSC-MSC-pCDH groups.