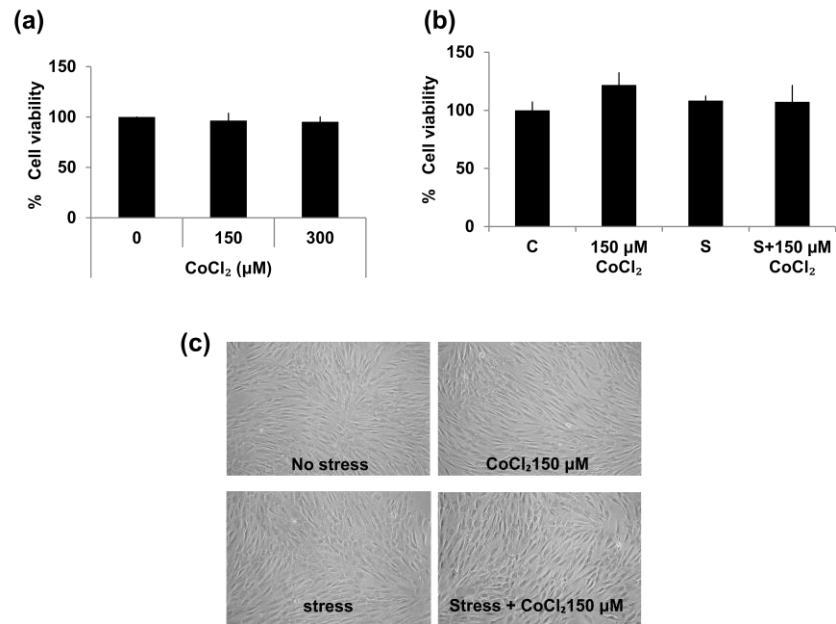
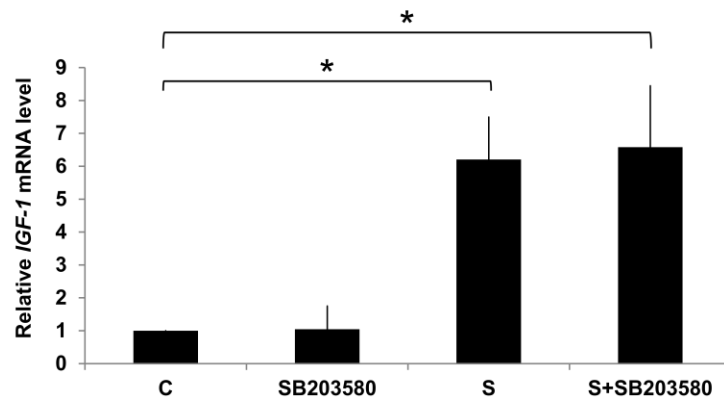


Supplementary Figure Legends



Supplementary figure 1. HPDLs viability upon exposure to CoCl_2 or combined with intermittent mechanical stress was evaluated using MTT assay (a&b) and microscopic examination (c; 100X, original magnification) at 24 h



Supplementary figure 2. Intermittent mechanical stress induced *IGF-1* expression independent of p38 signaling pathway. SB203580 (3.5 μM) was used to pre-treat HPDLs 30 min before applying the intermittent mechanical stress for 24 h. The *IGF-1* expression was measured by real-time PCR. Asterisks indicated statistically significant. (C; the control condition, S; the intermittent mechanical stress treatment condition)