



**Supplemental Figure S1.** Effects of various concentrations of HMWHA and LMWHA stimulation on *COL1A1* and *POSTN* expression in SKN-SH cells.

(A) Schematic diagram of continuous stimulation with various concentrations of HMWHA and LMWHA in SK-N-SH cells cultured without HPDLSCs-ECM. (B, C) qPCR analysis of expression levels of *COL1A1* and *POSTN* in SK-N-SH cells cultured in CM containing various concentrations of HMWHA (B) and LMWHA (C).  $\beta$ -actin was used as an internal standard. Data expressed as the mean  $\pm$  standard deviation ( $n = 3$ );  $**p < 0.01$ . SK-N-SH+0.1HMWHA, SK-N-SH cells cultured with continuous 0.1 mg/mL HMWHA stimulation; SK-N-SH+0.3HMWHA, SK-N-SH cells cultured with continuous 0.3 mg/mL HMWHA stimulation; SK-N-SH+0.6HMWHA, SK-N-SH cells cultured with continuous 0.6 mg/mL HMWHA stimulation; SK-N-SH+1.0HMWHA, SK-N-SH cells cultured with continuous 1.0 mg/mL HMWHA stimulation; SK-N-SH+0.1LMWHA, SK-N-SH cells cultured with continuous 0.1 mg/mL LMWHA stimulation; SK-N-SH+0.3LMWHA, SK-N-SH cells cultured with continuous 0.3 mg/mL LMWHA stimulation; SK-N-SH+0.6LMWHA, SK-N-SH cells cultured with continuous 0.6 mg/mL LMWHA stimulation; SK-N-SH+1.0LMWHA, SK-N-SH cells cultured with continuous 1.0 mg/mL LMWHA stimulation.