

**Supplementary Figure 1.** Representative fluorescent images of HEK293 cells incubated at day 1 with (A) pDNA-HA (CaCl<sub>2</sub> loading of 125 mmol/L and 2SBF) and (B) lipofectamine-L3000, and corresponding (C) fluorescence intensity. Results are expressed as mean and SD ( $n = 8$ ). (\* $P = 1.1 \times 10^{-5}$ ). pDNA: plasmid DNA; HA: hydroxyapatite; SBF: simulated body fluid

