



Supplemental Fig. S1. Osteogenic differentiation of MC3T3-E cells. (A, B) Quantitative real-time polymerase chain reaction (qRT-PCR) and Western blot assays were used to detect the expression of osteocalcin (OCN), osteopontin (OPN), collagen type I (Col1A1), and alkaline phosphatase (ALP) in MC3T3-E cells during osteogenic differentiation. (C) Alizarin red S (ARS) staining. (D, E) ALP staining and ALP activity (C, D $\times 200$). One-way analysis of variance was used for the group comparisons, followed by the Tukey multiple-comparison test. The experiments were repeated thrice. GAPDH, glyceraldehyde-3-phosphate dehydrogenase; APS, alkaline phosphatase staining. ^a $P < 0.05$; ^b $P < 0.01$; ^c $P < 0.001$ vs. day 0 of induction.