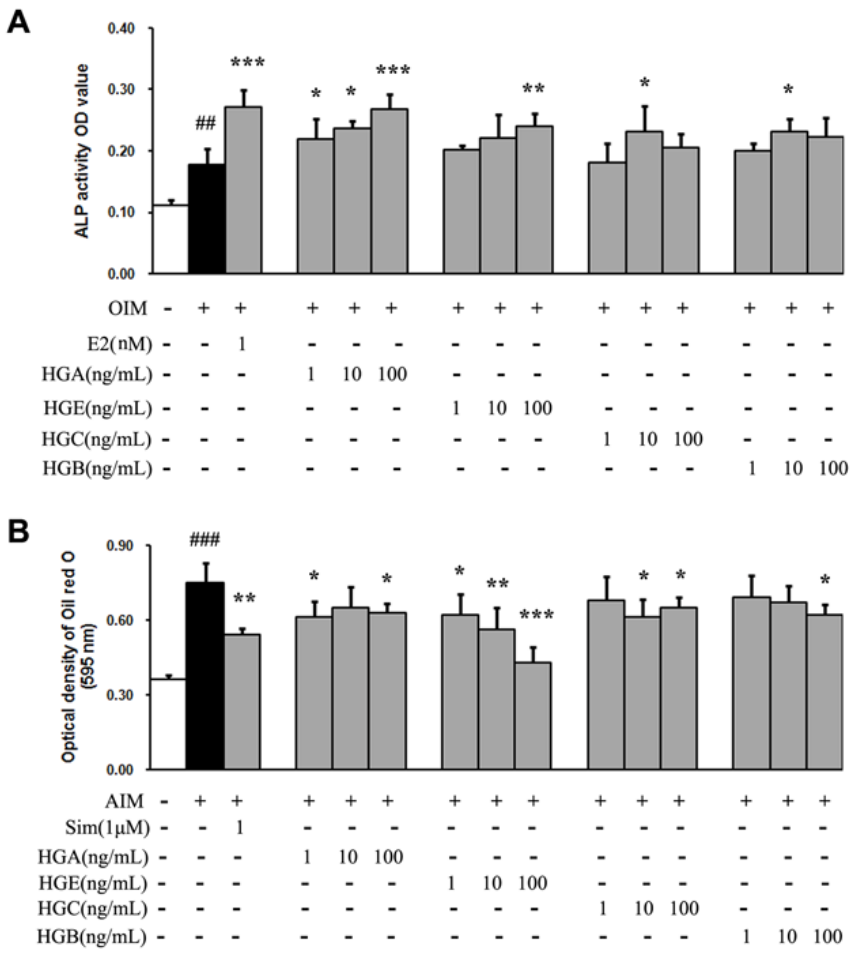
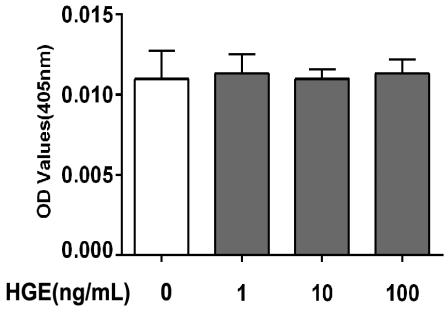


Suppl. Fig.1 Effect of the fractions from HG on adipogenesis and osteogenesis of BMSCs. (A) BMSCs were incubated with osteogenic induction medium (OIM) in the presence of HGA, HGE, HGC, HGB and E2 (as positive control) or the vehicle control for 7 days, and then evaluated by ALP staining. ALP activity was quantified using optical density tested by microplate reader at 405 nm. (B) BMSCs were incubated with Adipogenic induction medium (AIM) in the presence of HGA, HGE, HGC, HGB, Sim (as positive control) or the vehicle control for 14 days, and then were stained with Oil red O staining. Adipogenesis activity was quantified by optical density tested by microplate reader at 595 nm. Data are represented as the mean ± SD. $^{\#\#}P< 0.01$, $^{\#\#\#}P< 0.001$ compared with Control; $^{*}P< 0.05$, $^{**}P< 0.01$, $^{***}P< 0.001$compared with OIM (A) and AIM (B).



Suppl. Fig.2. Absorbance of HGE at 405nm. Complete medium DMEM-HG with or without of HGE (1, 10, 100 ng/mL) incubated at 37℃ with 5% CO2 for 24h, the absorbance at 405 nm were tested by microplate reader. Data are represented as the mean ± SD (n-=3).