

Figure S1. Gene expression of MiTEC cultured in BM (white bar) and IM (gray bar) at week 1-4 (A). Gene expression of MiTEC cultured in BM (blue bar), IM (green bar), BC (yellow bar) and IC (red bar) medium at week 2-3 (B). Error bars represent standard deviation (n=3). (*) denotes p<0.05, (**) denotes p<0.01, (***) denotes p<0.001, and ns denotes non-significant.

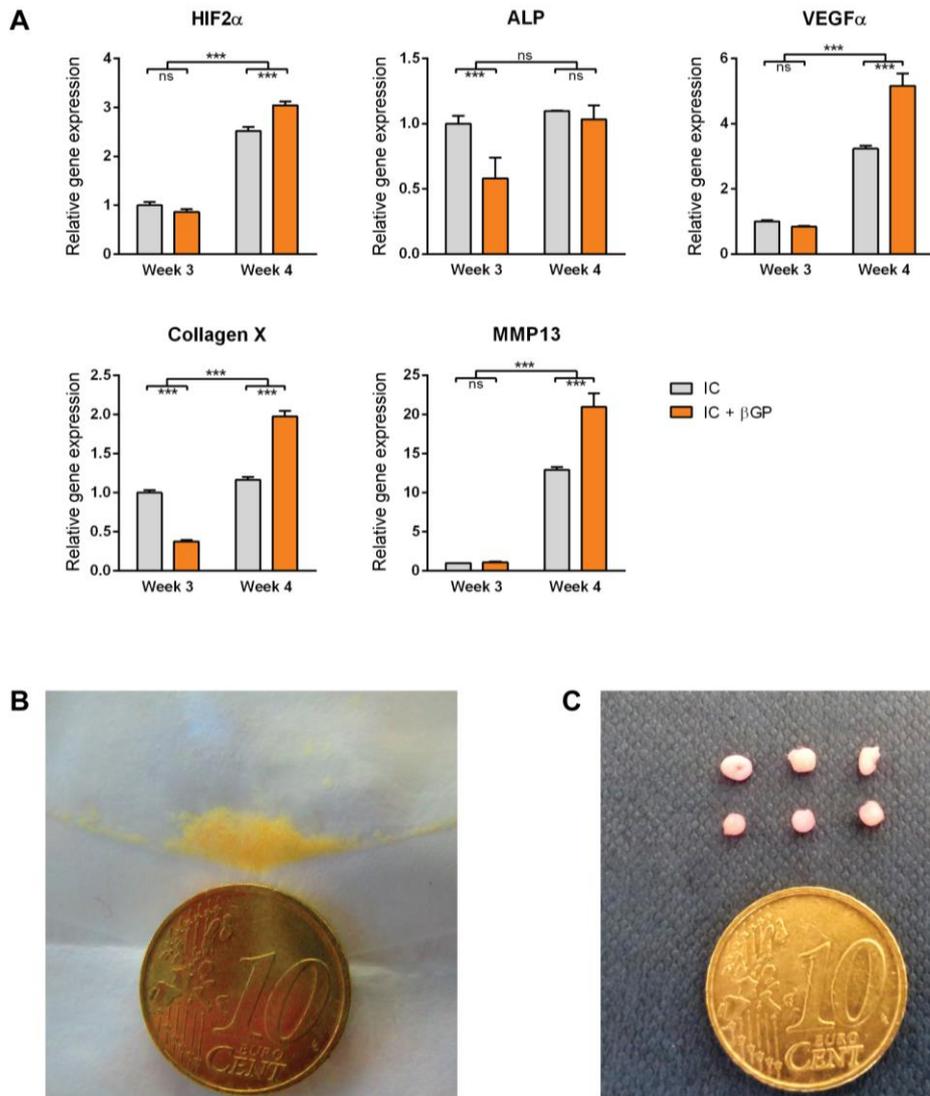


Figure S2. Gene expression analysis of MiTEC cultured in basic medium and mineralization medium (1 week in mineralization medium before time point) at week 3 and 4 (A). Error bars represent standard deviation (n=3). (*) denotes $p < 0.05$, (**) denotes $p < 0.01$, (***) denotes $p < 0.001$, and ns denotes non-significant. MiTEC were cultured in IC medium for 2 weeks, decellularized with SDS and air-dried; the picture showed the amount of MiTEC harvested from one 12-well plate (B). Pellets of 2.5×10^5 hMSCs mixed with devitalized (top row) and decellularized (bottom row) MiTEC, and cultured in chondrogenic medium for 4 weeks (C).