Differing responses of osteogenic cell lines to β-glycerophosphate.

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Supplementary materials

Gene	Forward primer	Reverse primer
Tyrosine 3-monooxygenase, *YWHAZ*	ACTTTTGGTACATTGCTTCAA	CCGCCAGGACAAACCAGTAT
Osteocalcin, *OCN*	GGCAGCGAGGTAGTGAAGAG	CTGGAGAGGAGCAGAACTGG
Alkaline phosphatase, *ALP*	TGCTCTGCGCAGGATTG	GGAGACACCCATCCCATCTC
Runt-related transcription factor 2, *RUNX2*	CGCCTCACAAACAACCACAG	TCACTGTGCTGAAGAGGCTG
Phosphate regulating endopeptidase homolog X-linked, *PHEX*	ACTTTGCACTGCACTGGACT	TCCATCAGAAGGGCCGTAGA
Marker of proliferation Ki-67, *MKI67*	GCCCGGGGACGTAGCCTGTA	ACCGTCGACCCCGCTCCTTT
Proliferating cell nuclear antigen, *PCNA*	CCACGTCTCTTTGGTGCAG	CCGGCGCATTTTAGTATTTTGG

Table 1. *Primers were designed to assess the expression of osteogenic differentiation and cell proliferation using qPCR.*

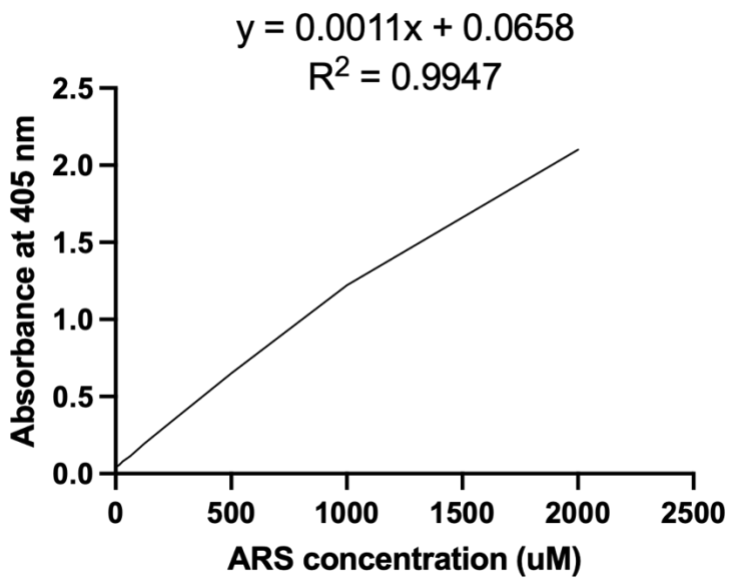

Figure 1. *Standard curve of serial dilutions of alizarin red stain used to quantify optical density of mineralising hMSCs and Saos-2 cell cultures supplemented with combinations of Asc, Dex and β-Gly.*