

Supplementary Material

1. Chemicals and reagents

RPMI1640, Dulbecco's modified Eagle's medium (DMEM), penicillin/streptomycin, and fetal bovine serum (FBS) were purchased from Gibco-BRL (Gaithersburg, MD, USA). N-acetyl L-cysteine (NAC), dexamethasone, β -glycerophosphate, ascorbic acid, paraformaldehyde, hexadecylpyridinium chloride, and Triton X-100 were purchased from Sigma-Aldrich (Mainland, China). All other chemicals used in the study were of analytical grade.

2. Primers used in the study

Genes	Forward	Reverse
Mouse ALP	TGGTCACAGCAGTTGGTAGC	CTGAGATTCGTCCCTCGCTG
Mouse RUNX2	TTCTCCAACCCACGAATGCAC	CAGGTACGTGTGGTAGTGAGT
Mouse OCN	GTATGGCTTGAAGACCGCCT	GACAGGGAGGATCAAGTCCC
Mouse COL1A1	GGAAGCTTGGTCCTCTTGCT	CCCATGTCCCAGCAGGATTT
Mouse GAPDH	ACCCAGAAGACTGTGGATGG	CACATTGGGGGTAGGAACAC
Hsa_circ_circSOD2	GTGTGGGAGCACGCTTACTA	CGTTAGGGCTGAGGTTTGTC
Hsa_circ_0001059	TTGGTCGCCGATTAGCAGAG	CCCCTCCCTGAGGCGTATT
Hsa_circ_0001328	CTGCTACTGCTACAGCTCCA	TTGGTCGCCGATTAGCAGAG
Hsa_circ_0000028	AGGTGAAGAGACAGATTCCCG	CTGTTCAAGTCGTTGGCTGC
Hsa_circ_0001486	TCATACAGTGCACACTGGTTTTT	TCTGTATGACAGCATTTTCATGGT
Hsa_circ_0001062	AGGTGAAGAGACAGATTCCCG	CTGTTCAAGTCGTTGGCTGC
Hsa_circ_0001832	GCTAGAAAAGCATCAAATCCCA	GGCTGGGAGATCCCATCAATTT
Hsa_circ_0000363	CAGTGTGAGGTCCGGAATGT	GGACGACCCCTGGTTTCATT
Hsa_circ_0001236	ATGCCGACTCTCATAAGGC	TTGATCCGCAAGAGATGCCC
Hsa_circ_0008234	CAGCAGTCAGCTTCTCTCGT	GCCATCAAAGCATGAAGGCTA

mmu_circ_circSOD 2	AATTGCGGCAGTCCAGATCA	GGTTCTGTTAACCTTGCCAACCT
mmu_U6	CTCGCTTCGGCAGCACA	-
mmu_miR-7	CAAAGTGCTGTTCGTGCAGGTAG	-
mmu_miR-21	CGACCTCCTGTGTGCATGGATTA	-
mmu_miR-26a	TATAGCTGGTCTGCGTGGTGC	-
mmu_miR-27	GCAGGTGCTCACTTGTCTC	-
mmu_miR-29b	ATCACATTGCCAGGGATTACCAC	-
mmu_miR-133	CGATGGTCTCCTGTTCTCTGCAG	-
mmu_miR-155	CCAAGCTCGCTTCTATGGGTCTG	-
mmu_miR-181	TATATATGCCTCCTCCGTGGCCTC	-
mmu_miR-214	TGGAGAGAAAGGCAGTTCCTGA	-
mmu_miR-363	TGTTCTCTGTCTCCAGAC	-
mmu_miR-425	CCGTCAGTGCATGACAGAACTTG	-
mmu_miR-3075	TAGATCTTTGACTCTGGCAGTCTCCAG	-