

Gene	Target sequence
Negative Control(shNC)	TTCTCCGAACGTGTCACGT
ShEMCN1#(93325-1)	GCGTGAAGCTTCTTACCGTTA
ShEMCN2#(93326-1)	GACTCCATCATTTCAAACGTA
ShEMCN3#(93327-1)	CAACACCAAACACAGAATCAT

Primers for quantitative Real-Time PCR

gene	Forward	Reverse
hEMCN	5'-TGCAGGACTTTCTCCTTTTC-3'	5'-ATTTGTTCTGGTGGGTTTGT-3'
mEMCN	5'-AATACCAGGCATCGTGTCACT-3'	5'-CTGATTCTCAGTCTTGTCTGGG-3'
hGAPDH	5'-CAAATTCATGGCACCGTCA-3'	5'-GGAGTGGGTGTCGCTGTTGA-3'
mGAPDH	5'-GTGGCAAAGTGGAGATTGCC-3'	5'-GATGATGACCCGTTTGGCTCC-3'
S100A8	5'-TGAGTGTCTCAGTTTGTGCAG-3'	5'-TGTGAGATGCCACACCCACTTT-3'
S100A9	5'-CCTCACCATATGGCTCGGAC-3'	5'-ACGACTGCAAGATTGGAGCA-3'
MMP9	5'-GGACCCGAAGCGGACATTG-3'	5'-CGTCGTCGAAATGGGCATCT-3'
TGF- $\beta$	5'-GAGCCCGAAGCGGACTACTA-3'	5'-TGGTTTTCTCATAGATGGCGTTG-3'
CXCL1	5'-ACCGAAGTCATAGCCCACT-3'	5'-GTGCCATCAGAGCAGTCTGT-3'
CXCL3	5'-CAGCCACACTCCAGCCTA-3'	5'-CACAACAGCCCCTGTAGC-3'
TNF- $\alpha$	5'-CAGGCGGTGCCTATGTCTC-3'	5'-CGATCACCCCGAAGTTCAGTAG-3'