

Supplementary

Table S1. Primer sequences for human using quantitative real time polymerase chain reaction.

Gene	Accession Number	Sequence	Tm (°C)
HIF1A	NM_001530.4	F: 5'-GTTTACTAAAGGACAAGTCA-3' R: 5'-TTCTGTTTGTGAAGGGAG-3'	60
VEGF	NM_001204384.1	F: 5'-GCCTTGCCTTGCTGCTCTAC-3' R: 5'-ACATCCATGAACTTCACCACTTCG-3'	60
PRL-1	NM_003463.4	F: 5'-TACTGCTCCACCAAGAAGCC-3' R: 5'-AGGTTTACCCCATCCAGGTC-3'	60
ITGA4	NM_000885.6	F: 5'-TTCCTACGGGCTGTGTTC-3' R: 5'-CTGAAGTTTGCCAGTTTGG-3'	55
ITGB7	NM_000889.3	F: 5'-AGCAGCAACAACCTCAACTGG-3' R: 5'-TTACAGACCCACCCTTCCTCT-3'	55
RHOA	NM_001664.4	F: 5'-TGGAAAGCAGGTAGAGTTGG-3' R: 5'-GACTTCTGGGGTCCACTTTT-3'	55
ROCK1	NM_005406.3	F: 5'-GAAGAAAGAGAAGCTCGAGA-3' R: 5'-GATCTTGTAGTCTCCGCATCTGT-3'	55
GAPDH	NM_002046.7	F: 5'-GCACCGTCAAGGCTGAGAAC-3' R: 5'-GTGGTGAAGACGCCAGTGGA-3'	60

Table S2. Primer sequences for rat using quantitative real time polymerase chain reaction.

Gene	Accession Number	Sequence	Tm (°C)
ITGA4	NM_001107737.1	F: 5'-GGAAGCCCCAGTGGAGAAC-3' R: 5'-ATTGTCACTCCCAGCCACTGA-3'	55
ITGA6	NM_053725.1	F: 5'-AGCCCCAGGGACTTACAAC-3' R: 5'-CTTCATAGGGCCCATCTTCA-3'	55
ITGB1	NM_017022.2	F: 5'-AACAGTGAAGACATGGATGC-3' R: 5'-CTCTCTCTTCTGCACACAC-3'	55
ITGB7	NM_013171.1	F: 5'-AGTGCCCTCCAAGCTTAACCAC-3' R: 5'-CGTCCACCTCTCTCTCGAA-3'	55
ENG	NM_001010968.2	F: 5'-AAGGTGTGACTGGACACAAG-3' R: 5'-CCAGATCTGCATATTGTGGT-3'	60
PDGFRA	NM_012802.1	F: 5'-GAGGACGATTCTGCCATCAT-3' R: 5'-CAGTTCTGACGTGGCTTCA-3'	60
PDGFRB	NM_031525.1	F: 5'-TGTTTCGTGCTATTGCTCCTG-3' R: 5'-TGTCAGCACACTGGAGAAGG-3'	60
IL-6R	NM_017020.3	F: 5'-CCTTGTAATGCCTTTGTG-3' R: 5'-GTACACTTTGTACCCTCCA-3'	60
HNF1A	NM_012669.1	F: 5'-AAGATGACACGGATGACGATGG-3' R: 5'-GGTTGAGACCCGTAGTGTCC-3'	60
HNF4A	NM_022180.2	F: 5'-AAATGTGCAGGTGTTGACCA-3' R: 5'-CACGCTCCTCCTGAAGAATC-3'	60
GAPDH	NM_017008.4	F: 5'-TCCCTCAAGATTGTCAGCAA-3' R: 5'-AGATCCACAACGGATACATT-3'	60

Table S3. miRNA sequence and target gene in 3'-UTR site.

miRNA Target Gene	Accession Number	Target Sequence
hsa-miR-30a-5p hPRL-1 hITGA4	MIMAT0000087 NM_003463.4 NM_000885.6	3'-GAAGGUCAGCUCCUACAAAUGU-5' 5'-GCCUGCUCACUUUAUGUUUACA-3' 5'-AAUUUAAAAGACACUGUUUACA-3'
hsa-miR-340-5p hITGA4	MIMAT0004692 NM_000885.6	3'-UUAGUCAGAGUAACGAAAUAUU-5' 5'-CUUAAAAGCCUUUAUUUAUAA-3'
hsa-miR-146a-3p hITGB7	MIMAT0004608 NM_000889.3	3'-GACUUCUUGACUAAAAGUCUCC-5' 5'-CACCCUACUUCAUUUUCAGAGU-3'
rno-miR-340-5p rITGB1	MIMAT0004650 NM_017022.2	3'-UUAGUCAGAGUAACGAAAUAUU-5' 5'-UCCCAACGCCUUCUCUUUAUAA-3'
rno-miR-30a-5p rITGA6	MIMAT0000808 NM_053725.1	3'-GAAGGUCAGCUCCUACAAAUGU-5' 5'-UACAAAUGAUGCCUUGUUUACA-3'
rno-miR-27a-3p rPDGFRA	MIMAT0000799 NM_012802.1	3'-CGCCUUGAAUCGGUGACACUU-5' 5'-GUCUUGGGAAGCCUCUGUGAA-3'
rno-miR-21-5p rIL-6R	MIMAT0000790 NM_017020.3	3'-AGUUGUAGUCAGACUAUUCGAU-5' 5'-CCUUUUGACUUUUUAUAAGCUA-3'
rno-miR-122-5p rHNF1A	MIMAT0000827 NM_001530.4	3'-GUUUGUGGUAACAGUGUGAGGU-5' 5'-CCUGUGCCUCCCAGGCCACUCCA-3'