

Supplementary Table S1: Sequences of si-circSCRG1, circSCRG1-wt, circSCRG1-mut, the miR-1268b inhibitor and the miR-1268b mimic

Product name	Sequence
si-circSCRG1	GCATCTGGATCAGTACCTA
circSCRG1(miR-1268b)-wt	TATATACACTTTTTTTTTTGGGGGGACGGAGTCTCACTCTGTGCGCCAGGCTGGAGTGC AGTGGCACGATCTCAGCTCACTGCAAGCTCCACCTCCTGGGTTCACGCCATTCTCCTG CCTCAGCCTCCCAAATAGCTGGGACTAGAGGCGCCTGCCACCACGCCAGCTAATTT TTTTTTTTTTTTTTTTTGTATTTTGTAGTAGAGACGAGGTTTCACCGTATTAGCCAGGATG GTCTTGATCTCCTGACCTCGTGATAAGCCCCGACATTTTTTATTCTAGGCAAGAGCCTA TAGAGGTCTTATGTTGTCTAAAAGAATATATGGACTTCTTGGGCTAACCTAAGGCCTT CCTTTCACTTTGTCTCCATGCCTATCATTTATTCTGTTCAGCTAGCCGGGCAGTCAAG CCAGTCATCTCTTTAATCCTATGTATGTGTCTCTGCCTTGTTGTTCTTCTCACCCCTTC CCTT
circSCRG1(miR-1268b)-mut	TATATACACTTTTTTTTTTGGGGGGACGGAGTCTCACTCTGTGCGCCAGGCTGGAGTGC AGTGGCACGATCTCAGCTCACTGCAAGCTCCACCTCCTGGGTGACATAAAATTCTCCT GCCTCAGCCTCCCAAATAGCTGGGACTAGAGGCGAAGTAACAACATAAAAGCTAAT TTTTTTTTTTTTTTTTTGTATTTTGTAGTAGAGACGAGGTTTCACCGTATTAGCCAGGA TGGTCTTGATCTCCTGACCTCGTGATAAGCCCCGACATTTTTTATTCTAGGCAAGAGCC TATAGAGGTCTTATGTTGTCTAAAAGAATATATGGACTTCTTGGGCTAACCTAAGGCC TTCTTTCACTTTGTCTAACGTAAGATCATTTATTCTGTTCAGCTAGCCGGGCAGTCA AGCCAGTCATCTCTTTAATCCTATGTATGTGTCTCTGCCTTGTTGTTCTTCTCACCCCT TCCCTT
miR-1268b inhibitor	CACCCCCACCACCACGCCCCG
miR-1268b mimic (sense strand)	UUUGUACUACACAAAAGUACUG

Notes: Abbreviation: si-circSCRG1, small interfering RNA (siRNA) of circular stimulator of chondrogenesis 1 (circSCRG1); circSCRG1-wt, circSCRG1-wild-type; circSCRG1-mut, circSCRG1-mutant-type.

Supplementary Table S2: Targets, primers sequence, annealing temperature, and product length used in RT-qPCR

Gene	Bidirectional primer sequence	Annealing temperature (°C)	Product length (bp)
circRNA_06206 (circSCRG1)	F:5' GCTGTTTCACAGACACAAGCATC3' R:5' CTTTCATCGTAATTCGCAGAGACT3'	60	86
hsa_circ_0004417	F:5' TAGAACCACACAAGGAGAAGCC 3' R:5' CTGTCAAACCATACATTGGAGATT 3'	60	94
hsa_circ_0041555	F:5' TGCTAATGTTGATGCTGCGTGA 3' R:5' GGAGGGGATAATCTTTTGGGAA 3'	60	72
miR-1268b	GSP:5'GAAACGGGCGTGGTGG3' R:5'GTGCGTGTCGTGGAGTCG3'	60	62
miR-6826-3p	GSP:5'GGCTCCCCTCTCTTTCCT3' R:5'GTGCGTGTCGTGGAGTCG3'	60	62
SCRG1	F:5' TCACAACTGTCACAACCTTCCG 3' R:5' CATCTCACATCCCTTCCCATCC 3'	60	97
NR4A1	F:5' GCAAGTGGGCGGAGAAGA 3' R:5' CAGGGACATCGACAAGCAAG 3'	60	252
EGLN1	F:5' GGCAATGGAACGGGTAT 3' R:5' TTGGGTTCAATGTCAGCA 3'	60	164
PLXND1	F:5' GGCCAAGTAAGCTGCGACAT 3' R:5' GAAGTTCCCTACCTGGATTGTG 3'	60	117

SASH1	F:5' GACGAAGAGCCGCCTTAC 3' R:5' AACGTGCCGACTTTGTTG 3'	60	179
RUNX1	F:5' ATGGCACTCTGGTCACTG 3' R:5' CTGCCGTAGCATTCTCA 3'	60	72
Beta-actin	F:5' GTGGCCGAGGACTTTGATTG3' R:5' CCTGTAACAACGCATCTCATATT3'	60	73
U6	F:5'GCTTCGGCAGCACATATACTAAAAT3' R:5'CGCTTCACGAATTTGCGTGTGCAT3'	60	89
GAPDH	F:5'GGGAAACTGTGGCGTGAT3' R:5'GAGTGGGTGTCGCTGTTGA3'	60	299

Notes: cycling conditions were as follows: 95°C for 10 min, followed by 40 cycles of 95°C for 10 s and 60°C for 60 s. Abbreviation: circSCRG1, circular stimulator of chondrogenesis 1; SCR1, stimulator of chondrogenesis 1; NR4A1, nuclear receptor subfamily 4 group A member 1; EGLN1, egl and nine homologue 1; PLXND1, plexin D1; SASH1, SAM-and SH3-domain containing 1; RUNX1, runt-related transcription factor 1; GAPDH, glyceraldehyde-3-phosphate dehydrogenase.