

Table SI. Sequences of shRNA.

Symbols	Strand	Sequence, 5'→3'
Vector-SNHG1	Top strand	GATCCGTTCTCCGAACGTGTCACGTAATTCAAGAG ATTACGTGACACGTTCCGAGAATTTTTTC
	Antisense	AATTGAAAAAATTCTCCGAACGTGTCACGTAATCT CTTGAATTACGTGACACGTTCCGAGAACG
sh1-SNHG1	Sense	GATCCGGGAGCCAATGAAACAGCAGTTGAGTTCA AGAGACTCAACTGCTGTTTCATTGGCTCCCTTTTTT G
	Antisense	AATTCAAAAAGGGAGCCAATGAAACAGCAGTTG <u>AGTCTCTTGA</u> ACTCAACTGCTGTTTCATTGGCTCCC G
sh2-SNHG1	Sense	GATCCGTCCACTTCGTGTCTGTTCCCTCTGTATTCAA GAGATACAGAGGAACAGACACGAAGTGGATTTTTT G
	Antisense	AATTCAAAAATCCACTTCGTGTCTGTTCCCTCTGTA TCTCTTGAATACAGAGGAACAGACACGAAGTGGAA CG
sh3-SNHG1	Sense	GATCCGCCTTGAGGACTGGCTGTCAATTTGTTTCA AGAGAACAAATTGACAGCCAGTCCTCAAGGTTTTT TG
	Antisense	AATTCAAAAACCTTGAGGACTGGCTGTCAATTTG TTCTCTTGAAACAAATTGACAGCCAGTCCTCAAGG CG

The specific shRNA sequence targeting the gene of interest is underlined. sh, short hairpin; SNHG1, small ribosome housekeeping gene RNA1.

Table SII. Sequences used for overexpression.

Symbol	Sequence, 5'→3'
SNHG1	<p>CTCATTTCCTACTGCTCGTGGTAAGTGGCTTCGTGGTCTTTAT AGCTGTTACTCTTTTGTACTTTGTCTTTTCTTTTATTTTCTTTT GAGCGATTGTGCGAACATAGCATAGCACGCACTATGCCTTCTG TGTTGTAGCTGCCTGGCCAGGGCGACTGGCGGATAAAGGTCTT GTGCGTGGCCTCGAGGCTTAAAAGTAGCAGTGGGGCTTTGTG AAGGACAAAATGGCGATGGCGGGCCGTGTAGGTCCCCCTTCC TATGATGAGGACCTTTTCACAGACCTGTACTGAGCTCCGTGAG GATAAATAACTCTGAGGAGATGGGCCCTGCAAGCCTCTTGCTT AGCCGTCTGTTTCAGAAAATAGCGTTTTTCGAAATGCCCTGAGTT GACCTAATGTCTTATTGGGCTCCTGTCTGCAGGATTTACGCGC ACGTTGGAACCGAAGAGAGCTCTGTTGTTGCAATGTTTCAGCC CACAAGAGCTTACTGGTGAAGGAATGGGACAAGACCCATCTT TATGCAAAGCCAGCGTTACAGTAATGTTCCAGCATCTCATAATC TATCCTGGGGAATTCAGCTGCCTCCCAGGGTGAATACAGGTAT TCCTGATGACAGTCTGCCTCTATCTTACAGAGCAGCTTGTTGCT ATATAACCATTGAAAAGCCTTCAGAGCTGAGAGGTACTACTAAC CAATAACCTGCTTGGCTCAAAGGGCCAGCACCTTCTCTCTAAA GCCCAAGAGGAGTTTGAGGAAAAGTGGTGTCTGTGTTCACT CCAGGCTGAAGTTACAGGTCTGAGCAAATAAGGTGTATAAAA AATGGAATCTGTCTTGGAGGACATCAGAAGGTGAATTTCCAA GTTCTTGGACAACCTAGCTGTTGAAAAGCTTTCTGGGTTTGGG GGGTATTCAGATGTACCTTAAAGTGTTAGCAGACACAGATTA AGACACTGGGAGCCAATGAAACAGCAGTTGAGGGTTTGCTGT GTATCACATTTCTGTATTTTATCACCCCCTTCCTGCAACATTATT TATCTGGAATCTACCTGCCCTTTTGTTTTTTAGATAACAAGGGCT TGGTTTTGTTACCCAGGCTGGTTTTCAAGGCCATAGCTTTAAGA GATCCTCTCACCACAGATTTCCAAAGTGCTGGGATTGCAGGTG TGATTCATGGCACCCAGACTTTGCTGCCTTTCTTACATGATCCA GGCCCAGAACCCTAACTCAGGCACTGTATAGATGACCACTTT CGTAAACTACTGACCTAGCTTGTGTTGCCAATTGTTGATTGAACT TCCCATAACTCCACTTCGTGTCTGTTCCCTCTGTATACAGCCACC</p>

	TTCTGTTCCCGTCATGAGCCTTTAGGTCTCCATTTGCATATTGC AAATACTATGTTCCATGTAGGTAGCTCATT CAGGGCCTTGCTCT TCACTTCAAAAAGGTTCCCTTGAGGACTGGCTGTCAATTTGT GTTGCTGTGTTGGTTGTTGATGAAAATAATAAAATGATTGATTA CATAGTCCTGTTTAAAAAAAAAAAAAAAA
CLEC7A	ATGGAATATCATCCTGATTTAGAAAATTTGGATGAAGATGGATA TACTCAATTACTTTCGACTCTCAAAGCAATACCAGGATAGCT GTTGTTTCAGAGAAAGGATCGTGTGCTGCATCTCCTCCTTGGC GCCTCATTGCTGTAATTTTGGGAATCCTATGCTTGGTAATACTG GTGATAGCTGTGGTCCTGGGTACCATGGCTATTTGGAGATCCA ATTCAGGAAGCAACACATTGGAGAATGGCTACTTTCTATCAAG AAATAAAGAGAACCACAGTCAACCCACACAATCATCTTTAGA AGACAGTGTGACTCCTACCAAAGCTGTCAAACCACAGGGGT TCTTTCCAGCCCTTGTCCCTCCTAATTGGATTATATATGAGAAGA GCTGTTATCTATTCAGCATGTCACTAAATTCCTGGGATGGAAGT AAAAGACAATGCTGGCAACTGGGCTCTAATCTCCTAAAGATAG ACAGCTCAAATGAATTGGGATTTATAGTAAAACAAGTGTCTTC CCAACCTGATAATTCATTTTGGATAGGCCTTTCTCGGCCCCAG ACTGAGGTACCATGGCTCTGGGAGGATGGATCAACATTCTCTT CTAACTTATTT CAGATCAGAACCACAGCTACCCAAGAAAACCC ATCTCCAAATTGTGTATGGATTCACGTGTCAGTCATTTATGACC AACTGTGTAGTGTGCCCTCATATAGTATTTGTGAGAAGAAGTT TTCAATGTAA

SNHG1, small ribosome housekeeping gene RNA1; CLEC7A, C-type lectin domain containing 7A.

Table SIII. Primers used to determine the expression of genes by reverse transcription-quantitative PCR.

Gene	Forward	Reverse	Products size, bp
SNHG1	5'- CGTGGTAAGTGGCTTCGTGGT C-3'	5'- CCAGGCAGCTACAACACAGAA GG-3'	121
LC3	5'- CCTGGACAAGACCAAGTTTT G-3'	5'- GTAGACCATATAGAGGAAGCC G-3'	202
P62	5'- TGATTGAGTCCCTCTCCCAGA TGC-3'	5'- CCGCTCCGATGTCATAGTTCTT GG-3'	99
α -SMA	5'- CCTTTGGCTTGGCTTGTCAG- 3'	5'- AAGCTTTAGGGTCGCTGGAG-3'	83
SM22a	5'- GCTTGACGCTGGAAGTGGGA AG-3'	5'- CAGGGACAGACAAAGGTGGGT AAAG-3'	125
OPN	5'- CAGGAGGAGGCAGAGCACAG -3'	5'-TGGTCGGCGTTTGGCTGAG-3'	80
CLEC7 A	5'- TACCTTGGGTAAAGCCATAAG CG-3'	5'- AGTTGAGGGTCAAATCGTGGC- 3'	111
GAPD H	5'- TGACTTCAACAGCGACACCC A-3'	5'- CACCTGTTGCTGTAGCCAAA- 3'	121

Table SIV. Probe sequence for RNA pull-down.

Gene	Sequence, 5'→3'
LACz (Control)	TGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGG CGTTACCCAACCTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTG GCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCAACAGTTGC GCAGCCTGAATGGCGAATGGCGCCTGATGCGGTATTTTCTCCTTACGC ATCTGTGCGGTATTTACACCCGCATATGGTGC ACTCTCAGTACAATCT GCTCTGATGCCGCATAG
SNHG1	CTCATTCTTCTACTGCTCGTGGTAAGTGGCTTCGTGGTCTTTATAGCTG TACTCTTTTGTACTTTGTCTTTTTCTTTTATTTTCTTTTGAGCGATTGT GCGAACATAGCATAGCACGCACTATGCCTTCTGTGTTGTAGCTGCCTG GCCAGGGCGACTGGCGGATAAGGTCTTGTGCGTGGCCTCGAGGCTTA AAAGTAGCAGTGGGGCTTTGTGAAGGACAAAATGGCGATGGCGGGC CGTGTAGGTCCCCCTTCTATGATGAGGACCTTTTCACAGACCTGTAC TGAGCTCCGTGAGGATAAATAACTCTGAGGAGATGGGCCCTGCAAGC CTCTTGCTTAGCCGTCTGTT CAGAAAATAGCGTTTTTCGAAATGCCCTG AGTTGACCTAATGTCTTATTGGGCTCCTGTCTGCAGGATTTACGCGCA CGTTGGAACCGAAGAGAGCTCTGTTGTTGCAATGTT CAGCCCACAAG AGCTTACTGGTGAAGGAATGGGACAAGACCCATCTTTATGCAAAGCC AGCGTTACAGTAATGTTCCAGCATCTCATAATCTATCCTGGGGAATTC AGCTGCCTCCCAGGGTGAATACAGGTATTCCTGATGACAGTCTGCCT CTATCTTACAGAGCAGCTTGTGCTATATAACCATTGAAAAGCCTTCAG AGCTGAGAGGTACTACTAACCAATAACCTGCTTGGCTCAAAGGGCCA GCACCTTCTCTCTAAAGCCCAAGAGGAGTTTGAGGAAA ACTAGGTGT CTGTGTTCACTCCAGGCTGAAGTTACAGGTCTGAGCAAATAAGGTGT ATAAAAAATGGAATCTGTCTTGGAGGACATCAGAAGGTGAATTTTCC AAGTTCTTGGACAACCTAGCTGTTGAAAAGCTTTCTGGGTTTGGGGG GTATTT CAGATGTACCTTAAAGTGTTAGCAGACACAGATTAAGACT GGGAGCCAATGAAACAGCAGTTGAGGGTTTGCTGTGTATCACATTC TGATTTTATCACCCCTTCTGCAACATTATTTATCTGGAATCTACCT GCCCTTTTGTTTTTTAGATAACAAGGGCTTGGTTTTGTTACCCAGGCTG GTTTCAAGGCCATAGCTTTAAGAGATCCTCTCACCACAGATTTCCAAA GTGCTGGGATTGCAGGTGTGATTCATGGCACCCAGACTTTGCTGCCT

TTCTTACATGATCCAGGCCAGAAACCCAAACTCAGGGCACTGTATAGAT GACCACTTTCGTAAACTACTGACCTAGCTTGTTGCCAATTGTTGATTG AACTTCCCATAACTCCACTTCGTGTCTGTTCCCTCTGTATACAGCCACC TTCTGTTCCCGTCATGAGCCTTTAGGTCTCCATTTGCATATTGCAAATA CTATGTTCCATGTAGGTAGCTCATTCAAGGGCCTTGCTCTTCACTTCAA AAAAGGTTCCTTGAGGACTGGCTGTCAATTTGTGTTGCTGTGTTGG TTGTTGATGAAAATAATAAAATGATTGATTACATAGTCCTGTTTAAAA AAAAAAAAA

SNHG1, small ribosome housekeeping gene RNA1.