

Figure S1. Sequencing results of the recombinant plasmid LINC01960-201 The following SNP was detected: C/G at 539 bp on NCBI (SNP number: rs11693010). In addition, the A was mutated to C at 422 bp (the non-SNP site). SNP, single nucleotide polymorphism; LINC, long intergenic non-protein coding RNA.

GATTATTACCCAGCAGTGCAGACACGCTTTCGAAGAATCGGTGGAGCTCCAGATGAATGGGTAAGTACATCAAGAGCTTCGT
GGAGCGCGTGCTGAAGAACGAGCAGTAATTCTAGGCGATCGCTCGAGCTCTGGTCTCCTGACTCTGGCAGGGGGAACATTTG
CACTGTTCTTGTTCCTTACCCAGGAGCTGGCCTATTGCACAACCTCAGGAAACAGCCCCTATGCAATCCTGGCCCCACAGAGC
GGACATGTTCTGGTTTTTATTTCAGCAGCTTTTTATGAAGTGTGTTTTCCCTTCCCATCATGTCATCTGGAAGCAATTCCTCCCA
ACAGCTGGATTGCTTTCACAATTGGTAAACACCGCGAATGGAAGGCCGGGACGATGCGGAGCTCCCCGGAGGAGCCTTGT
CCCCACCCGCTTGGCTCGCGTCTCTGAAGCTTATCGCGGGTGCCTGCACAAGCCTCATCAAAATCGAGGGCGTCTCTCCAGCAG
GCGACCCACATTGCATTCCCCGCTTAAGAGGGTCAACGTGTTCTTCGGGGGAGAC(422bp)ATTTCTGAATGCTTTCAGATA
AAATTGATCAGATGCAGGCCAGATTGCCAGCTGCCGGGGCCGCTGCGCCTGTGGAGGCCCCACCAGCGCGGGGCACAGC
GCCTCGGGGTCC(539bp)GGGGAGGCCTCTCTCTGCACCGCCGCCACCAAGCCAGTAAGAGAGGGGCAAAACCCCAAGAG
CACTGACTGGGCCGTCAAGGAAGATGAATGCTCTCCCAAAAGTGTCTCTCGGGGACAAGTTTCCACGCAGATGCAACCGGG
AACGCCGCCAGGCTCCGGAAGGCGAGGCCCCAGAGCGCAGCGGCCTCCAAGCGCGGGCTCAGCCTGTCGCCTCCGCAGC
CAGGGCCCAGGAGGCCGCTCTTCGGGGTCAACCAACACGGCTCGTTCTGAGCCTAGAGGCCCAGGGCACAGTGTGAGCCGG
AATACGGTGTAGGGGACACAGCTCAGGCCCCAGGCACTCCCTCCTGTGCGAGAAGAAATGCTGTTCTTTGATCAATGTTTCTA
ATGTGGGAAACCAGCCGAGCAGCTGGCTGAACCTCTCGAGGGAGCACGGGTGCTGGTGAGCCCCGCTCTGATGCACAG
AGACGCTGTGCGCAGGCTGGGGTGGGTGCAAAAGGCTTCTTCCATGCACCACCAACCTGTGGGCAGCCAGGGCCTAGC
TCTCATGAAGGGGCTTCCAGGGCAAAGTGGGCCTCTGACTGCAACGTTCTCTGGGCAGAGATAGGCATCCTTCCCACTGC
ACAAACAAAAGGAGACCGTCAAGGGGAGAGGCTCACCAGAGGACCCTGGTGAGGGCGACGCCCCAACTCCTCAGCACAAGG
CTGTGCTTCTTCCATGAGCCCGTTGCTTGGGCCAGCGCGTGCAGAGTGCCTTCTCTCGCTCCCTCTGTCTGTGGGCC
CTCCTCTCTCTCCCTCCAGCCTGGTGGAAGCTTATCTCTGTCGGGGCCAGAGGACAGAACTACATCATACATTTTCCCGT
GCGTCATGTTATCTTGCTTGAATTTTGAAAATCTGTGAGTTTCTGGTTTTTCCATGGCAAGGCTCATCTCCAGACCTTAGT
CACTCTGCTCTGGCTGCCTGGACTGCTAGAGAGGGGCCTCAGGGCGCACCTGGAGAAATCACTGGGGCCAGGTCAGAGG
GATGGGTGGGTGAGAGCAACCCCTTCTTAATAGTTCAAAATGGCCCTCTGGCTTAAAGAGACCGAAGCCACGTAACAACCA
AATGCAATGTGTGGGCCGTGTTGGATCCTGATTCAAAACAAACCAACTGGAAGAGGAGATTTGGGGATAATCAGGAAGATT
GAATTGGGACTGCGTAGCAGAAAATAGCAAGAATTATTGTTAATTTGATATGTGCGATAATGGTGTGGTAGTTATAGAAGAA
AACATGCTTATCTTTAAATGGGTATATTAAAGTATTTAAGGGTGAAATATAAGCGGCCGTGGCCGCAATAAAATATCTTTATT
TTCATACATCTGTGTGTGAAACCCCTAAAAAATCACCCGGCGTACACGC

Figure S2. Sequencing results of the recombinant plasmid ADAMTS7. The following SNPs exist: C/T at 42 bp on NCBI (SNP number: rs1045130). SNP, single nucleotide polymorphism; ADAMTS7, a disintegrin and metalloproteinase with thrombospondin motifs 7.

GGCTTTTAGGGCAGGAGGAGCTCCAGATGAATGGG
TAAGTACATCAAGAGCTTCGTGGAGCGCGTGCTGA
AGAACGAGCAGTAATTCTAGGCGATCGCTCGAGCT
GCGCCAGGATGCACAGACCGACCGACAGACCTCA
GTGCC**T(42bp)**ACCACGGGCTGTGGCGGAGCTCCCG
CCCCCTGCGCCCTAATGGTGCTAACCCCTCTCACT
ACCCAGCAGCAGGCTGGGGACCTCCTCCCCCTCAA
AAAAGGTATTTTTTTTATTCTAACAGTTTGTGTAACA
TTTATTATGATTTTACATAAATGAGCATCTACCATTC
CAAAGCAGCGGCCGCTGGCCGCAATAAAATATCTT
TATTTTCATTACATCTGTGTGTTGAAAAACCCCG