

Supplementary materials and methods

Human RGS22 promoter sequence, in which the bold-italic sequence is the potential transcription factor YY1 binding site, and the bold-underlined base is the transcription start site.

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>HPRM41693 NM_001286692;name=RGS22;Entrez_
ID=26166;Genome=hg38;chr8-:100107447-100105965;TSS=1
00106116;Upstream=1331,Downstream=151;Length=1483;
AGCTCTTGCCCGCTTCGAGTCATGCTAATATTAATA
TATTCTCTAGACAGCACCCAGAGCGATTCTTTCAA
TAGAAGTAAAGTCATGTCATTTCTCTGTTCAAAC
TGCTATGGTTTGCATTTCACTCAGAATGAAACCTGG
AGTCCTTACCAAGGGCCACAAAGCCCTTTGTGATT
TGTCGCCCAACCCCCACCTCCCACCTCTCCATTAT
CTTCTGCCAGTATCCCGTCACTTCATTTGGTCCTCT
AATTTTGTCTGGCCAAGATAGTGGTTTATTTTGTCT
TTTTTCTATGTAATAGGGAAAAGGCAATGAATACAA
CTAGATGGGAGTTACGTTTCCCTTGCAATACAAGCAC
TAATTGTCTTATTCTTTTGTTAAGCATTTCATATACC
TGTGGGGCCCCTGCCAGCCTTGAGTATTCCTACAA
TGTAGGAGGCAAATGTAAAGCCACCGAAGGTTTAA
ACAGGTCAGATTTGCGTTCAGATGGATGATTTTGA
TTCATCATGGAGAATGGGCTTAAGCTGAACTCCACT
GGAAGCAAAGACTGAAAAACCATTAAAAAGTTTTA
CAACTGTTTCAGCAGGAGCGCAAAGGAGACTCCAGAT
TTCAGAAACACTAAGGCAGAATAAAGAGGACCTAGT
GCTTGACTGAATAAGACCGTTTGGGGGTTCGGGCAGT
AAGTTTCAGGGAAAAGCTCCTAGGTTTCTGGCTTG
AGTCTTGAGTAACCTAACAGACGAAGGTACCACGTT
AGGTGAACATGAGGCCTCCTCGGGTAATTTTAAAGC
CTAGCTATCTTGAAAATGCAGCAGTCTGATGGGCA
CACACGTGTTGGGGAAAGTTTGCAGTTCCTATAGGCC
GCGAATTATTTAACTTTTTACACAAGCATTTTCATAC
AACTGTGATGGAGATCAAGAGCTACGTGTTGCCGGC
CTCCTGAGGAATGAGGAAAAGTGGAGGCCTGACTTC
CCTGCTTCCCTCCGCTTCCCGGGACCAGCCGTCTGG
CCGCTGGCGCCCCGCATGCCCGCGGCTCTCCCTC
CCGTGGAGCACCGCGTTTCCCTGGCCGTTGCTGGCG
GGCTGTAGTGGAGGAATAACGGACCTGAGCAGCGGT
CACCACAGTAACGAATTCGCTGCCAGTGGAGTCTCG
AGGGACACAGGCGTCTCCAGGGCGCCCTTCCGGGT
GACCGCGCTGGGGGTCCACACGCGCGTCCGCCC
CCAGCCTTCGTTCCCGCGCTGGTCCCTGCCAGAG
GAGGAGGAAGGGAGGGTAGGGGGCGGCGGGGGTG
TTCCCGTCCGAGCTTGGGAACCCCGAAAGGCACCTG
AGTGGCCGGCCTCGGCCTCCCTGGGCGGCCGTATTG
TCTAAGCTCCATAGCAACCCCGGCGCGGCGCCGCC
ACGCTAGCCAGCGTAGCTCCGGAGCCCGCGCGCCGT
CGCCGCGTCCGCTCAGGCCCTGACCCGCGCTGGACCC
GCGCGCTAGGGCC
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Figure S1. RGS22 expression was determined by western blotting to verify transfection efficiency of RGS22 small interfering RNAs. RGS22, Regulator of G-protein signaling 22; RS, RGS22 small interfering RNA; NC, negative control.

