

Product datasheet for **MC200200**

Rgs4 (NM_009062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs4 (NM_009062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgs4
Synonyms:	AA004315; AA597169; ESTM48; ESTM50
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003882 sequence for NM_009062
 GCTTCTTTGCAGAGCAGAAGCAACTGTGCTCAAAATAGAAAACCCGCGGCTCCCCTGCCTTTCTCTCC
 TCGCTAAGAATCCCTCAGTTAAACAAGATGTGCAAAGGACTTGCAGGTCTGCCGGCTTCCTGCCTGAGGA
 GTGCAAAGGACATGAAACATCGGCTGGGGTTCTGCTGCAGAAGTCAAGTTCCTGCGAACACAGTTCTTC
 ACACAGCAAGAAGGACAAAGTAGTAACCTGCCAGAGGGTAAGCCAAGAAGAAGTCAAGAAATGGGCTGAA
 TCGTTGGAAAACCTGATTCAACATGAATGTGGACTGGCAGCTTTCAAAGCTTTCTGAAGTCGGAATACA
 GCGAGGAGAACATTGACTTCTGGATCAGCTGTGAGGAGTACAAGAAGATCAAGTCACTTCTAAACTAAG
 TCCCAAAGCCAAGAAGATCTACAACGAGTTCATCTCAGTGCAAGCAACAAAAGAGGTGAACCTGGACTCT
 TGACCAGAGAGGAGACAAGCCGGAACATGTTACAGCCCAATAACCTGTTTTGATGAAGCCAGAGA
 AGATTTTCAACCTGATGGAAAAGGATTCTACCGCGCTTCTCAAGTCTCGATTCTATCTTGACCTGAC
 CAATCCTTCCAGCTGCGGGCAGAGAAGCAGAAAGGAGCCAAGAGTTCTGCAGACTGCACCTCCCTGGTC
 TCCCAGTGTGCCTAATTCTCACACAGAGGCAGGGAGCCCAATGCCAAGACTCTATGCTCTGAAAAACCT
 GAGGCCAAATATTGATCTTAAGCACCAATGCTTTATCCACATTGTAGCCTAGTGTCCATGCTGCCTGCCG
 CGTGTGAGTCACTCCATGTAATACTAGCCTTAGTTGTGGTGTGGGGTTTTCTAGGGTAAGACCCAA
 TTTGTTTTAAATTTTCCAAGTCTCCTTAAGGGTGAAGTTCCTAAATAATGGCTCCGTAGGTCTGGA
 TTTTCAAAGATGGCTGGCAGTCTGCCCTTTCAACAGTTTGACCTCAAGTTAGTTAGTTGGTACACATCA
 TGTGACATTCCATGCACATGTAATGTTGGCCAGCAGCACTTCTACGGACTCTCAATGTTTAGGTGATAT
 TTGTGATGCATATGTATACATTAATAATACATAACATATGCATATACATTCTGCATATGTATACATTA
 AAATATACATAACATATGCATATACATTCTGTATATATTACCTATGTATTCAATGTGTGTGAATGTGC
 ATGAATATGTATCTATCTATATATATATATATATCTCACACATGCACACACATTTCTTTAAGAAAAGAT
 GGGAAAGATCCTAGGTGCTCAACTGGAGTGTGTAGACATGCTTGCATGCATGTTCTGATTTCTGGTCT
 TCATACCGTGTCTGAACAGGGCAAACCTGAATTAAGTCCATGCAGGCTAAGAAAGGAACAGTAACCTGTG
 GGAAATGAGTTCTATAGAACCCTGGGTTCTGGCGGAGAATAACCAGGGCTTTTGTGTTAGTTGTGAT
 GGCTCCACATTGAGCACTAAGCTAAGGGTGAAGTACTCTGAAAACCTCTGCTGTCTGACTGACACTGAAC
 TGCTTGCATCAGTGATCACTACTGGCACTTTTTAAGTCCCTCTGCTGATGGCCTTCCCTCTTTGCCTG
 GGTGCTCAGGGTGTGCTGATTAGCAGCTGGGTTGGTCTAGAGCTGAATGTTTGAAGTGAATGAAGGAATG
 TGGTCCAGGCTTTGCTGCCTAGCCCTACCAAGGACTACTGCTTAGGTGAGGGCAGAGGACCTAAAGATTA
 TCTTAATCTTTCTCTTTTATAAGGTGCTCTTTTCTTCCCTCAAGAATGTCACCTGTCAGAGG
 AGCCTCCTTAGTCCCTGTGGTTGGTGTTCACCTTAAAAACCACGGCTACCTGCCGTGGTTCTAAGCTA
 CATGCCTACATCTGTAAGCATCATCGGGGGAAAGGTTATGTTTTATCAGGAGGAAGGAAGTTCTCATG
 AACTGCAAAGCCCTCTTTGGTTTTCTGCTTTGAGGTAAGAGCTTGTTCACCCATCCCAAACACCAAGGC
 TAGCAGAGACCAATGAAAGGAGAGAGGAAAGGAAAGAAAGAGAAAAGAAAACAGAAGAGGAGAGGCTA
 TCAGTTGGTAGGACTACTGCTTGGAGCTTTTCAAGGCACGTGAAATACTTGAATAATTTCTCATTTGTGT
 ATTTATGATGTTTTGTACAGTGTTTTTATTATTGTATTGTTTTATAAATGGAGGTACAGGATATTACCCA
 AATTATTAATGAATGCCAAGAAGTAATTTCTTCTCATTCTTCTAAAAGTACTGCCCTTTGAGAGCACAC
 ACACATTCGTGCAACACTGCAGTCATTGCTCCAGTTTAAATTACATGTGTGAGCACCATTGCGGCTAGTA
 AGCCAATGTACCAGGCTGCAAAATGAAGACACTGGAATAGTGTGTATCCAAGTCTCGTCGATTGAAGAA
 ATAATTTCTAAGGGTACTCGTTTCTGCTCTCTTGACAGTCTTGTGTAATGTCCCCAGAGCTCCCCCA
 TCAGTGTTCCTAACTCCTTTTGTATACACCCCATCCATGATCATGTCTGTATAACTCTTTGGTCTTGC
 CCTAATAGTATCATGACTTTGAGATTGTACCTGTACTCACAGACTGCTGTCTCACAATAGGTCTGGAAA
 GTCATTCTGAATGAGAAGTAAATTTTTTGTGTAATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009062

Insert Size: 618 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC003882</u> , <u>AAH03882</u>
RefSeq Size:	2781 bp
RefSeq ORF:	618 bp
Locus ID:	19736
UniProt ID:	<u>O08899</u>
Cytogenetics:	1 76.84 cM
Gene Summary:	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(z)-alpha is inhibited by phosphorylation of the G-protein. Activity on G(z)-alpha and G(i)-alpha-1 is inhibited by palmitoylation of the G-protein (By similarity).[UniProtKB/Swiss-Prot Function]