

Product datasheet for **MC203576**

Rgs16 (NM_011267) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Rgs16
Synonyms:	Rgs14; Rgsr
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>BC055459
 CCCACGCGTCCGCCACGCGTCCGCTTCTGCGCAGCCTGGTACTTGCTACTCGCTTTTCCCTCTTCGCC
 TCCGGTCCGCCACCATCTCTCCACGACGTGCTGCTCGCTCCGAACCATGTGCCGCACCCTAGCCAC
 CTTCCCAACACCTGCCTGGAGAGAGCCAAAGAGTTCAAGACGCGGCTGGGAATCTTTCTTATAAATCA
 GAGCTGAGCTCCGATACTGGGGATTAGCAAATTCGAGTGGGCCAGTAAGCATAACAAAGAGAGAAGCT
 TCTCAGAAGATGTACTGGGATGGAGAGAGTCTTTCGATTTGCTGCTGAATAGTAAAAATGGGGTGGCTGC
 CTTCCATGCCTTCTAAAGACGGAATTCAGTGAGGAGAACCTGGAGTTCTGGTTGGCCTGCGAGGAGTTC
 AAGAAGATCCGATCAGCCACCAAACTGGCGTCCAGGGCTCACCACATCTTTGACGAGTACATCCGACGCG
 AAGCCCTAAAGAGGTGAACATAGATCACGAGACCCGAGAAGTACCAAGACAAACCTACAAGTGCCAC
 TACCAGTTGCTTCGATGTGGCTCAGGGGAAGACCCGCACATTGATGGAGAAGGACTCCTATCCGCGCTTC
 CTCAAGTACCAGCTTATCGCGACCTGGCTGCCAAGCCTCGGCCACCTCCACCTCTGCACCCAGCAGCA
 GCCCAGCTGAGCCTTACACACTTTGAGCCTCCGACGCAACCTAGAAGCCATCGGGAAGAGAGGTGGAGTC
 GCGCGTCCCTAAAGCAGCTGCCCTGTGTGGGAGGCAGATCCTGTGCAGCAAGTGCAAGAGGATAGTGAA
 GGACAGACGGACATCCATCCCCGACGCTTGAGTGCGAAGAACCCCTCTCCTCCAGATACTGTGGTGGC
 CAGTGTAGGAGAGACTCCTCATTTCAGGACCTGTGACTGAGGGCTGACGACAAGGCTGCGCCGGTGTCT
 CTGGGGGGAAGGGTGGCCAGAACTTATATTTTACCAGGGCACACAAAGGGATGCTGGGTGGTTGG
 GAACCATGAGAACAGGAGCCAGAGAGCAGCTATTTACGTGCCAGACAGTCAAGTTGGTCCCGCTTGA
 TTTCTCACTCCTGGACTGGGCTAGAAAAGGCTGTGTGTGGAACCTTCAATTCCTGCCCCTTGCTT
 CCCAGGACACCCAGGGCCCCGAGCTGAGGCTTCTTAATATTCCTGTGCTCATTCTTGCCGTCTCACAG
 AGGTCAATGAGTCTGTCTGATTCTTGACCCAGATGAGATTTCTATACCTCAAAAAACCGCCTGTGAGCC
 CCTTTCCGGTCAATGATGAATCCTGCAAAAGAAGCCATTCTGCTCATGGGACCTAAGCTGGGTGCTCT
 CCATGGCCTTCTGTAGGTGGCCCCCTGACTTCACCTTTGACGAGGGTCTGCTTGTGAACAGGGCTAAC
 TGAGAAGTCTTACTGGGCCCTGCGCTCCTTGAAGATGGGGTCTAAGGAGGGAGGTGGGAGGAAGGAGAC
 TTCCGGCACAGGGGCCAGCACTCATGTCCAGCAGGTGAGCTAAGGGAGAGAAGTCATTGAAAAATCCATC
 TAGGAGCCCAAAAGACTAGCTGAAGTCAAATCAGTTCTCTTTGTGGGTATGAAAATGGGGAAGATGTC
 TCCTACCCCTCACCTGGTGGAAGGGAGCCTTGCTCTTTCTCTGTTGACATGAGATGCCCACTGTAG
 TTAGGGGAGAAGCCCGTCAAGGACCAAGAAAGCTCTGGAACAGAAGTTAGCTCAGCCAAGGAGTATTGC
 AGATGTGTGGGGAGGGCTGCCTGGAAGGATGGGGCTGGGGGAAACCAACCTGCCTGCCTATCACCTCCGA
 GTCTTACCGAACAACTTTCCAAGTTGGGACTTCCAGCACCAGCCACCGAGACGGAGACCTAGGTTGTTT
 CTCTCTGCACTTGAGGTTTCTCCGGGAGAGAAGCTTTTAAGTATAATATTGTGTTCTGTTGTGTTGTC
 CGATTGTCTCGCTGCTATTGTTATTTATTGTGTTTGTGCTGACTGAAGAGCCTCAGCTGGAGCTG
 CTGCCTGATCAGCCTCCTCCCTACAGACTCTACCTCTGCAAGCCTTGGGAATCACTGAGGGCTGGGGG
 GGGGGGGGAACGGGACACGGGACTCCCACTGTGTTAATATTTATTGTTAACAAGGGAGCTGGG
 TTCTTTATCAGCAGTGTATGTGATCCCTGTTTTCTGTTGAGCATGTATATTCTGTAAAAAACCT
 GAAAAAAAACCAAAAAATAATCCCCAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_011267

Insert Size:

606 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC055459</u> , <u>AAH55459</u>
RefSeq Size:	2353 bp
RefSeq ORF:	606 bp
Locus ID:	19734
UniProt ID:	<u>P97428</u>
Cytogenetics:	1 65.43 cM
Gene Summary:	Regulates G protein-coupled receptor signaling cascades (PubMed:9079700). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:10373502). Plays an important role in the phototransduction cascade by regulating the lifetime and effective concentration of activated transducin alpha (PubMed:8917514). May regulate extra and intracellular mitogenic signals.[UniProtKB/Swiss-Prot Function]