

## Product datasheet for **MC205544**

### Rgs5 (NM\_009063) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgs5 (NM\_009063) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rgs5  
**Synonyms:** 1110070A02Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC037683

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CCACGCGTCCGGTCAGCTGTTGAGAGGTTCTGCTCAAGTTGAGGATCTAAGCCGCCAGCCAAAATGTGT  
AAGGGACTGGCAGCTCTGCCGACTCATGCTGGAAAGGGCCAAGGAGATCAAGATCAAGTTGGGAATTC  
TCCTCCAGAAGCCAGACTCTGCTGTTGACCTTGTCATTCCATACAATGAGAAGCCAGAGAAGCCTGCCAA  
GGCACACAAGCCCTCACTGGAGGAGTCTGCAGTGGCGCCAGTCCCTGGACAAGCTTCTCCAGAACAGC  
TATGGATTTGCCAGCTTCAAAGTTTCTGAAGTCTGAATTCAGTGAGGAAAACCTTGAGTTCTGGGTTG  
CCTGTGAGAATTACAAGAAGATCAAGTCCCCATCAAATGGCGGAGAAGGCAAAGCAAATTTATGAAGA  
ATTCATCCAGACAGAGGCCCTAAAGAGGTGAACATTGACCCTTCACTAAAGACATCACCATGAAGAAC  
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CTCTGCCCGCTTTGTGCGCTCTGAATTTATAAGGAGCTAATCAAGTAGTCATCTGGTCAGGCTTCCAA  
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CCAGTTTAAACATAAAGCTGTCTGTGCAAAGAATAGGTGATAGACTGCTATTTTAAACCAGGCTGAAAAGAA  
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TCTCGAGGGGAAAATGGCAGCCTTTGACTCTCTGAACAATTAGAAATGCTAATGCCAGACATTTTTTTG  
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GTGCTCAAGGGCAGTGTGAGGCCACAAAAGGATGCAGGCAGGCATGCTTCTGAGTCTAAGGGCTG  
CATTATATATCCAGATATTTACTGTATCACTATATAATTTTAAATTTAGAGCAATATATACATACACA  
CACACATATATACATATATATTTTTCTAATATATAAAATACTCAATGGCGGATAAGTAGTCTAGTTCC  
AAAGAAAAGCCAAATGTATTAATTTGACTAGAACTATTTGTAGAAAAA
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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_009063
<b>Insert Size:</b>	546 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC037683</a></u> , <u><a href="#">AAH37683</a></u>
<b>RefSeq Size:</b>	1812 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	19737
<b>UniProt ID:</b>	<u><a href="#">O08850</a></u>
<b>Cytogenetics:</b>	1 76.84 cM
<b>Gene Summary:</b>	<p>Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>