

## Product datasheet for **MC202497**

### Rgs8 (NM\_026380) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgs8 (NM\_026380) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rgs8  
**Synonyms:** 6530413N01Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC065056 sequence for NM\_026380  
 CCGCTCCCTCCCCTGCGCTCGTAGCTCTTTCCCTTTTCATGAGATGCAAAGTCCGGCCGAGAGCAGAGC  
 CCTCCAGAGCAGCATGGTGCAGGAGCTTCTAGGGGCCGAGGTGAGGGGCCACGCTCCACTACCCCT  
 ACCCATGTACCAGGAGAGGGCCGACTCTGTCACTCAGGGTTTCACCGAGCCATGCACTGCTGTTGCCGGC  
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 TTTCTAGAAAGCCGAGTGACCAGGAATGTAGCATCAGTAGTTTTGTGCAATGAGGCTCCGTATGACCTG



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TCTGTTGCCTAATGTATTCCATGTCCTCACTTTCTGTGGCATCACATAGCACTGATCTCTTAGGATGAA  
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GGTTTGGGGTCTCTCAATAAACTGTTTATTTCTTGAACCTAACCCTCTGCTCCTTCCCCTCTGCCAGG
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GCAGCTCATCTGCCCTATAAACCGCTTGGCCGACGAATCCTCATTGAGTTCTTTCATTACCATGTAAAGT
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AAAAAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	Ascl-NotI
<b>ACCN:</b>	NM_026380
<b>Insert Size:</b>	543 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="#">BC065056</a></u> , <u><a href="#">AAH65056</a></u>
<b>RefSeq Size:</b>	5760 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	67792
<b>UniProt ID:</b>	<u><a href="#">Q8BXT1</a></u>
<b>Cytogenetics:</b>	1 65.41 cM
<b>Gene Summary:</b>	Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Modulates the activity of potassium channels that are activated in response to DRD2 and CHRM2 signaling.[UniProtKB/Swiss-Prot Function]