

## Product datasheet for **MC207548**

### **Rgs18 (NM\_022881) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgs18 (NM\_022881) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rgs18  
**Synonyms:** MGC117531  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207548 representing NM\_022881  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATATGTCACCTGGTTTTCTCTCTCAATTAATATGTGTGAATCAAAGAGAAAACTTTTTCAAAC  
TAATGCATGGGTCAGGAAAGAAGAACAAGCATCGAGGCCAAAATCAGAGCGAAAGAAAAAGGAATAG  
ACTAAGTCTTCTCTACAGAGGCTGACTTCCATGGAGAGACTCAAGCCAGTAGATCTGCCCTCTTGCC  
AAAGAAACAAGAGTCTCTCCTGAAGAAGCAGTGAATGGGCTGAATCATTGACAAATTGCTCTCTCATA  
GAGATGGAGTGGATGCTTTTACCAGATTTCTTAAACTGAATTCAGTGAGGAGAACATTGAATTTGGGT  
CGCCTGTGAAGACTTCAAGAAATGCAAGGAACCTCAACAAATCATCCTAAAAGCAAAGGCAATCTATGAG  
AAATTCATTGAGAAATGATGCCCCAAAGAGGTTAACATTGATTTTCACTAAAGAAGTAATTGCTAAGA  
GCATCGCCAGCCCACTCTCCACAGTTTTGATACGGCACAAGCAGAGTGTACCAGCTCATGGAACATGA  
CAGTTATAAACGCTTTTTGAAATCTGAGACCTACTTACATTTGATAGAAGGAAGACCTCAGAGACCAACA  
AACCTTAGGAGACGATCACGATCATTTACTTACAATGATTTCCAAGATGTAAAGTCAGATGTTGCCATTT  
GGTTATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022881  
**Insert Size:** 708 bp



[View online »](#)

<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>	<a href="#">NM_022881.4</a> , <a href="#">NP_075019.1</a>
<b>RefSeq Size:</b>	1859 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	64214
<b>UniProt ID:</b>	<a href="#">Q99PG4</a>
<b>Cytogenetics:</b>	1 62.99 cM
<b>Gene Summary:</b>	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-1, G(i) alpha-2, G(i) alpha-3 and G(q) alpha.[UniProtKB/Swiss-Prot Function]