

Product datasheet for **MC210637**

Rgs10 (NM_026418) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs10 (NM_026418) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rgs10
Synonyms: 2310010N19Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210637 representing NM_026418
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTT**CACCCGCGCCGTGAGCCGACTGAGCAGGAAGCGGCCCGCTCTGATATCCATGACGGAGATGGGA**
GCTCAAGCAGCGGCCACCAGAGCCTTAAGAGCACAGCCAAGTGGGCATCCTCCCTGGAGAATCTTCTGGA
AGACCCAGAAGGGGTGCAGAGATTCAGGGAGTTTCTGAAGAAGGAATTCAGCGAAGAGAATGTCTTGTTT
TGGCTAGCGTGTGAAGATTTCAAGAAAACGGAGGACAGGAAGCAGATGCAGGAAAAGGCCAAGGAGATCT
ACATGACCTTCTGTCCAATAAGGCCTTTCACAAGTCAACGTGGAGGGGCACTCTCGGCTCACTGAAAA
GATTCTGGAAGAGCCACACCCTCTGATGTTCCAAAAGCTCCAGGACCAGATCTTCAATCTCATGAAGTAT
GACAGCTACAGCCGCTTCTTGAAGTCTGACTTGTTTCTGAAACCAAGCGAACTGAGGAAGAGGAAGAAG
AGCCCCGGATGCTCAGACCGCAGCTAAGCGAGCCTCCAGAATTTACAACACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026418
Insert Size: 546 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).



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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>NM_026418.2, NP_080694.1</u>
RefSeq Size:	875 bp
RefSeq ORF:	546 bp
Locus ID:	67865
UniProt ID:	<u>Q9CQE5</u>
Cytogenetics:	7 F3
Gene Summary:	Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the muscarinic acetylcholine receptor CHRM2. 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 CHRM2 signaling. Activity on GNAZ is inhibited by palmitoylation of the G-protein. [UniProtKB/Swiss-Prot Function]