

## Product datasheet for MC202729

### Rgs17 (NM\_019958) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgs17 (NM\_019958) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rgs17  
**Synonyms:** 6430507P11Rik; Rgsz2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC064782 sequence for NM\_019958  
 CGGATGGCACGGAGCCTGCTCCGCTAGAGGACGGAGCAGCCCACTCTCGAGCACCTCGGACCCGGACCC  
 CGGAGCTCTCGCCACATCTAAGTCTACCCGGCAGTTGGTTCTGAAGCAGCTGACATGAGAAAACGGCA  
 GCAGTCACAAAATGAAGGAACACAGGCTGTGTCTCAAGCCCTGAAACCAAGGCCAACAATACCTGC  
 TGCTTCTGCTGGTGTGTTGCTGCACTGCTCCTGCCTCACTGTGAGGAATGAGGAAAGAGGAGACTCTT  
 CGGGGAGATCCCCACATACCACCAAAAATGGAGAGCATCCAGGTCCTAGAGGAATGCCAAAACCCCACTGC  
 AGATGAAGTCTTGTCTGGTCTCAGAAATTTGACAAGATGATGAAGACTCCTGCAGGAAGAAACCTTTTC  
 CGAGAGTTCCTCCGAACGGAGTACAGTGAAGAGAACTACTCTTCTGGCTGGCCTGTGAAGACTTAAAGA  
 AGGAGCAGAACAAAAGGCTGTTGAAGAAAAGGCCAGGATGATACAAGGATTACATTTCTATACTGTC  
 ACCGAAAGAGGTCAGCCTGGATTCTCGAGTTAGAGAGGTGATCAACAGGAGTCTGCTGGACCCAGCCTA  
 CACATGTATGAAGACGCCAGCTTCAGATCTACACCCTAATGCACAGAGATTCTTTCCCAAGATTCTTGA  
 ACTCACAGATCTATAAAGCTTTTGTGAAAGTACCACCAGCTGTACTTCTGAATCCTAATTTTCAGTTGA  
 CAGGCCAAAAAATCCATTTCCAGAGGGCTGGGATGGGAAATAAAAGTAATTAATAACACC  
 AGAAATTGAGTTCCTGAAAACTACAGGTTGACTGCTGGGAAATACAATGAGGAAGGTCTCTTGTCTCC  
 ATTTTTATCAAGGTTATCCATGATTCTGTTTGGGCAACAACAACAAAAAAGCCTATATGAGACAATGA  
 ATTGCCAAATTAAGTTTGTGTTGATTCAACACTTGTCTACTTGCAGCAATTTGTGTTTCTAGTCTCTG  
 AACAAATCCCCTAGTGCATCTCTAGAGGCCGATGTGCAAAGTAAAAGTAACTGCTTCTGCTGCCCTTACTTGT  
 GCTATTAATCAGTAGCATACCTTGTATCTGTATTTAAGGACTTTTGTGCAATATGGTCTCTTAGAAACA  
 ATTGCCAACAAATGGCCGTGGTTTGCATTTTTAAAAGCATAATCCAATACACAAAGGCTATTTTTAA  
 ACATGTAACAGTGATATTTAACCATGCTACATACTGTGTTTAGTATACCGTCTCTGAAGCCAATTTTTCT  
 GTACATGTTTTAAAAAATAGAAGCTGTTAAAGGATCTTACTGTGTGAGCCCTCTGGTTGTTCACTGCC  
 AAATTCTGGCATTTTTGTACAGAAGAGTTTACTATATAAGAAAGAAAGAAAGAAAGAAAGAAAGAA  
 AAGAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_019958



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<b>Insert Size:</b>	633 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>	<a href="#">BC064782</a> , <a href="#">AAH64782</a>
<b>RefSeq Size:</b>	1487 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	56533
<b>UniProt ID:</b>	<a href="#">Q9QZB0</a>
<b>Cytogenetics:</b>	10 A1
<b>Gene Summary:</b>	Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2 (By similarity). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Binds selectively to GNAZ and GNAI2 subunits, accelerates their GTPase activity and regulates their signaling activities. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks the exon containing the translation start codon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to 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.