

Product datasheet for MC209918

Rgs7bp (NM_029879) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs7bp (NM_029879) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rgs7bp
Synonyms: A930030I01Rik; A1842293; D13Bwg1146e; R7bp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209918 representing NM_029879
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCTGCACCGAATGGGCGCAAAAAGCGCCCGCCGCTCCACCCGCTCCTCGATCTTCCAGATCA
 GCAAACCTCCGCTGCAGAGCGGGGATTGGGAGCGCAGGGGAGCGGCTCCGAAAGCGCCACAAAACCA
 ACGAGCCCTGGAGACTGCAAGATGCTTGTCCAAGAGTTCAACACGCAAGTGGCCCTGTACCGAGAGTTG
 GCATTTCTATTGGGAGCTCTCAGTCAGCTGCCCTCTCTGCGAGCTGAAATGCACAAGACAAGAACCA
 AAGGCTGTGAAATGGCCCGTCAGGCACACCAAAAAGCTGGCTGCCATCTCAGGCCCGGAAGATGGTGAGAT
 CCATCCCGAAATCTGCCGGCTTTACATCCAGCTGCAGTGTTCCTAGAGATGTACACCACAGAGATGCTG
 AAGTCCATTTGTCTGCTGGGGTCTTTCAGTTTCATCGAAAAGGAAAAGAAGCTAGTGGGGGAGCGAAGA
 ATTTGGACAGCAAAATGAGGAGAATGCTGAAACACCTGCCCTGGAGGACTCCTTGTATCCCCTCTCGA
 GAGCCAGCAGCAGTGTGGCAGGTCGCCACAGATATTGAAAACACTGAAAGAGACATGCGAGAAATGAAA
 AACCTTCTTAGCAAACCTAGGAAACGATGCCTTTACCACTGAAAATCAAGATGACAGCAGCCTTCTGA
 ATCTAACGCCCTACCCCATGGTCAGAAGACGGAAGAGAAGGTTCTTCGGCTTATGTTGTCTTGTCTCAAG
 CTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029879
Insert Size: 774 bp



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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).
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:	NM_029879.2 , NP_084155.2
RefSeq Size:	5828 bp
RefSeq ORF:	774 bp
Locus ID:	52882
UniProt ID:	Q8BQP9
Cytogenetics:	13 56.9 cM
Gene Summary:	Regulator of G protein-coupled receptor (GPCR) signaling. Regulatory subunit of the R7-Gbeta5 complexes that acts by controlling the subcellular location of the R7-Gbeta5 complexes. When palmitoylated, it targets the R7-Gbeta5 complexes to the plasma membrane, leading to inhibit G protein alpha subunits. When it is unpalmitoylated, the R7-Gbeta5 complexes undergo a nuclear/cytoplasmic shuttling. May also act by controlling the proteolytic stability of R7 proteins, probably by protecting them from degradation. [UniProtKB/Swiss-Prot Function]