

Product datasheet for **SC330998**

RGS7BP (NM_001271891) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RGS7BP (NM_001271891) Human Untagged Clone
Tag: Tag Free
Symbol: RGS7BP
Synonyms: R7BP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330998 representing NM_001271891.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTATACCACAGAGATGCTAAATCCATATGTCTGCTGGGTCTCTTCAGTTTCATCGAAAGGAAAG
 GAACCTGGCGGGGAACCAAGAGTTTGGATTGCAAAATTGAGGAGAGTGCTGAAACACCTGCCCTAGAA
 GACTCCTCATCATCCCCGTAGATAGTCAGCAACATTCTGGCAGGTTTCCACAGACATTGAGAACACT
 GAAAGACATGAGAGAAATGAAAAACCTTTTAAGCAAACCTCAGGGAAACTATGCCTTACCATTGAAAAA
 TCAAGATGA

Restriction Sites: SgfI-MluI
ACCN: NM_001271891
Insert Size: 285 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).
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:

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_001271891.1](#)


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RefSeq Size: 3611 bp

RefSeq ORF: 285 bp

Locus ID: 401190

UniProt ID: [Q6MZT1](#)

Cytogenetics: 5q12.3

MW: 10.6 kDa

Gene Summary: This gene encodes a protein that binds to all members of the R7 subfamily of regulators of G protein signaling and regulates their translocation between the nucleus and the plasma membrane. The encoded protein could be regulated by reversible palmitoylation, which anchors it to the plasma membrane. Depalmitoylation localizes the protein to the nucleus. Polymorphisms in this gene may be associated with risk of aspirin-exacerbated respiratory disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2012]

Transcript Variant: This variant (3) differs in the 5' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform 3) has a shorter N-terminus and a distinct C-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.