

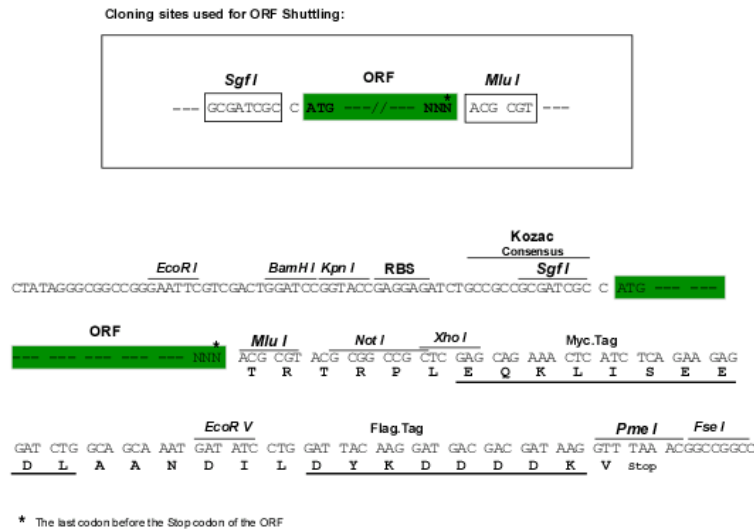
Product datasheet for **RC231611**

RGS7BP (NM_001271891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS7BP (NM_001271891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGS7BP
Synonyms:	R7BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231611 representing NM_001271891 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC ATGTATACCACAGAGATGCTAAATCCATATGTCTGCTGGGGTCTCTTCAGTTTCATCGAAAAGGAAAGG AACCTGGCGGGGAACCAAGAGTTTGGATTGCAAAATTGAGGAGAGTGCTGAAACACCTGCCCTAGAAGATCTCCTCATCATCCCCGTAGATAGTCAGCAACATTCCTGGCAGGTTTCCACAGACATTGAGAACACTGAAAGACATGAGAGAAATGAAAAACCTTTTAAGCAAACCTCAGGGAACATATGCCTTTACCATTGAAAAATCAAGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC231611 representing NM_001271891 Red=Cloning site Green=Tags(s) MYTTEMLKSIICLLGSLQFHRKGKEPGGKSLDCKIEESAETPALEDSSSSPVDSQQHSWQVSTDIENTERHERNEKPFKQTQGNFYAFTIEKSR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI


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Cloning Scheme:


ACCN: NM_001271891

ORF Size: 282 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

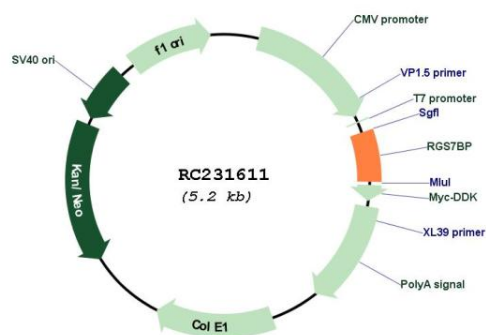
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001271891.1](#), [NP_001258820.1](#)

RefSeq Size: 3611 bp

RefSeq ORF:	285 bp
Locus ID:	401190
UniProt ID:	Q6MZT1
Cytogenetics:	5q12.3
MW:	11.1 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]

Product images:



Circular map for RC231611