

Product datasheet for **SC307565**

RGS11 (NM_183337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS11 (NM_183337) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGS11
Synonyms:	RS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC07565 representing NM_183337.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCCGGCCCCGCGCCGCCCGCCCGGCCCGCCCGGCCGAGATGCCGCATCTGAGGAAGATGGAG
CGGGTGGTCTGTGAGCATGCAGGACCCGACCAAGGCGGTGAAGATGCGGAGCCAGCGCCTGCCTGGTACC
GTCATCCCCACGCGGTGACAGGCAGCGACGTCGTGCAGTGGTTGGCCAGAAAGTTCTGCGTCTCGGAG
GAGGAGGCCCTGCACCTGGGCGCCGTCTGTGTGACGATGGCTACATCTACCCGCTGCGCGACCCCGT
AGCCTCATGCTCCGGCCAGACGAGACGCCCTACAGGTTCCAGACCCGTAATTCTGGACAAGTACCCTG
AGGCCGGCTGCAGAGCTGGACTATGCCATCTACCTGGCCAAGAAGAACATCCGAAACGGGGACCCGT
GTGGATTATGAGAAGGACTGCTATGACCGGCTACACAAGAAGATCAACACGCATGGGACCTGGTGTG
ATCGAGGCGAGGGGAGCAGCTGAGGGCAGCCAAAGCAGCGCAAGGGGAGCAGGCTGGTCATTGCGTGC
CAGGAGCAGACCTACTGGCTGGTGAACAGGCCCGCCCGGCCGGGCCCGGATGTGTGCTGGAGCAGGGTCCA
GGGCGGGGATCTGCGTGCCAGCCGTGTGCTCATGACCAAGAGTGCAGATTTCCATAAGCGGGAGATC
GAGTACTTCAGGAAAGCGTGGGCAGGACCCGAGTGAAGTCTCCGTCTGCCTTGAGGCGTACCTGAGT
TTCTGCGGCCAGCGTGGACCCACGATCCCCTCGTGTGCGGGTGCCTGCCAGCAATCCCTGGATCTCA
GACAATGACGCCTACTGGGTATGAATGCCCCACGGTGGCTGCCCCACGAAGCTCCGTGTGGAGAGA
TGGGGCTTCAGCTTCGGGAGCTCCTGGAGGACCCGTGGGGCGGGCCCACTTCATGGACTTTCTGGGA
AAGGAGTTCAGTGGAGAAAACCTCAGCTTCTGGGAGGCATGTGAGGAGCTTCGATATGGAGCGCAGGCC
CAGGTCCCCACCTGGTGGATGCCGTGTACGAGCAGTTCTTGCCCCCGGAGCTGCCCACTGGGTCAAC
ATCGACAGCCGACCATGGAGCAGACCCTGGAGGGCTGCGCCAGCCCCACCGCTATGTCCTGGATGAC
GCCCAGCTGCACATATACATGCTCATGAAGAAGGACTCCTACCCAAGGTTCTGAAGTCTGACATGTAC
AAGGCCCTCCTGGCAGAGGCTGGGATCCCCTGGAGATGAAGAGACGCGTGTTCCTGTTACGTGGAGG
CCACGGCAGCTGAGCCCCAGCCCTGCACCTCTCCACCCCTGTGGAGCCACAGCGGCTGTGGCCCT
GGGGGTGAGATGGGTGGCCTAG
AGCGGACCGACGCTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM 183337

Insert Size: 1404 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_183337.2](#)

RefSeq Size: 2422 bp

RefSeq ORF: 1404 bp

Locus ID: 8786

UniProt ID: [O94810](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

MW: 52.9 kDa

Gene Summary: The protein encoded by this gene belongs to the RGS (regulator of G protein signaling) family. Members of the RGS family act as GTPase-activating proteins on the alpha subunits of heterotrimeric, signal-transducing G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Alternative splicing occurs at this locus and four transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2013]
Transcript Variant: This variant (1) encodes the longest isoform (1).