

Product datasheet for **SC303386**

RGS11 (NM_003834) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS11 (NM_003834) 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)
Fully Sequenced ORF:	>SC303386 representing NM_003834. Blue=Insert sequence Red=Cloning site Green=Tag(s)

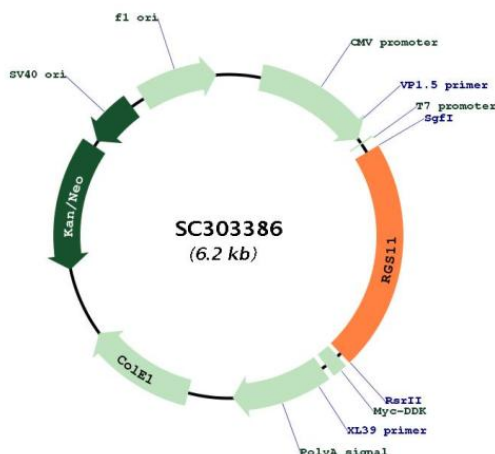
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GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
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GTCACCGTCATCCCCACGCGGTGACAGGCAGCGACGTCGTGCAGTGGTTGGCCAGAAGTTCTGCGTC
TCGGAGGAGGAGGCCCTGCACCTGGGCGCCGTCTGGTGCAGCATGGCTACATCTACCCGCTGCGCGAC
CCCCGTAGCCTCATGCTCCGCCAGACGAGACGCCCTACAGGTTCCAGACCCCGTACTTCTGGACAAGT
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GGCCCTGGGGTGGAGATGGGGTGGCC TAG
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTAA
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Restriction Sites: SgfI-RsrII

Plasmid Map:



ACCN: NM_003834

Insert Size: 1341 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_003834.2](#)

RefSeq Size: 2433 bp

RefSeq ORF: 1341 bp

Locus ID: 8786

UniProt ID: [O94810](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

MW: 50.7 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 (2) includes an alternate segment, compared to variant 1. This results in translation initiation at a downstream AUG, and an isoform (2) with a shorter N-terminus compared to isoform 1.