

Product datasheet for **SC310633**

RGS8 (NM_033345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS8 (NM_033345) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGS8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_033345 edited ATGTGGAACACCTTAACCCGAAGCCTCTCTGACCATCCAGTTGGCAAAGACCCTCAGGCC ATGAGGACTGGCCAAAGACAGAACAAAGGGATGAGGACTCGACTGGGATGCCTGTCTCAC AAGTCAGACTCGTGTAGTGATTTCACAGCTATTCTTCCAGACAAACCAACCGCGCTCTC AAGAGATTATCGACAGAAGAAGCTACGAGGTGGGCAGATTCTTTGATGTGCTTCTCTCT CATAAGTATGGGGTGGCTGCATTCCGTGCCTTCTTGAAGACGGAGTTCAGTGAGGAGAAC CTGGAATTCTGGTTGGCCTGTGAGGAGTTCAAGAAGACCAGGTCAACTGCAAACTGGTC TCTAAGGCCCATAGGATCTTTGAGGAGTTTGTGGATGTGCAGGCTCCACGGGAGGTAAAC ATTGACTTCCAGACCCGAGAAGCCACGAGGAAGAACCTGCAGGAGCCATCCCTGACTTGC TTTGACCAAGCCCAAGGAAAAGTACACAGCCTCATGGAGAAAGACTCTTACCCAGGTTT CTGAGGTCCAAAATGTACTTAGATCTGCTGTCCAAAGCCAGAGGAGGCTCAGTTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033345 unedited
TCGATTGTACACGACTTACTTCAGGGCGGCCGGAACCAAGACCGGTACCGACTCGGATC
CATAGCAACGGCCGCGGTGCGCCGAACCCGCCCCGAGCCCTCCTTCTGGAACCGAAGC
AGGCAGTGTGAAGACCATGTGGAACACCTTAACCCGAAGCCTCTCTGACCATCCAGTGC
GCAAAGACCCTCAGGCCATGAGGACTGGCCAAAGACAGAACAAAGGGATGAGGACTCGAC
TGGGATGCCTGTCTCACAAGTCAGACTCGTGTAGTGATTTCACAGCTATTCTTCCAGACA
AACCCCAACCGCGCTCTCAAGAGATTATCGACAGAAGAAGCTACGAGGTGGGCAGATTCTT
TTGATGTGCTTTCTCTCTCATAAGTATGGGGTGGCTGCATTCCGTGCCTTCTTGAAGACG
GAGTTCAGTGAGGAGAACCTGGAATTCTGGTTGGCCTGTGAGGAGTTCAAGAAGACCAGG
TCAACTGCAAACTGGTCTCTAAGGCCCATAGGATCTTTGAGGAGTTTGTGGATGTGACG
GCTCCACGGGAGGTAAACATTGACTTTCCAGACCCGAGAAGCCACGAGGAAGAACCTGCA
GGAGCCATCCCTGACTTTGCTTTGACCAAGCCCAAGGAAAAGTACACAGCCTCATGGAGA
AAGACTCTTACCCAGGTTCTGAGGTCCAAAATGTACTTTAGATCTGCTGTCCAAAG
CCAGAGGAGGCTCAGTTAGACCTCAGAAGGGAAGTCAAGGCGCAATTCTGCAGATATCCA
TCACACTGGCGGCCGCTCGAGCATGCATCTAGATTGCGGCCGCGGTCTAGCTGTTTCCT
GAACAGATCCCGGTGGCATCCTGTGACCCCTCCCAAGTGCCTCTCTGGCCTGGAAGTTG
CCACTCCAGTGCCCAACGACCTTGTCTATGAT



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Restriction Sites:	Please inquire
ACCN:	NM_033345
Insert Size:	650 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_033345.2</u> , <u>NP_203131.1</u>
RefSeq Size:	783 bp
RefSeq ORF:	597 bp
Locus ID:	85397
UniProt ID:	<u>P57771</u>
Cytogenetics:	1q25.3
Domains:	RGS
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer 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.