

Product datasheet for **SC123194**

RGS13 (NM_144766) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS13 (NM_144766) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGS13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_144766 edited</p> <pre>GGTAATTATAGAGACAGTAAAATCCTTTTACTCTGGGAAAAATAAAATGCTGGGTGCTC ACAAAATTCAGAACCTGATTTCAAACGGATCATAACAAAGAGGAGATCAAATTTAGCAT GGTGGACTGCTCGACAGGATATATTTGCAATGGAATGTTCCACATATTATACCACAA CATGAGAAAAAATGATCATTGTTTATTTGAAGCTTGAAAAATGAGCAGGCGGAATTGTT GGATTTGTAAGATGTGCAGAGATGAATCTAAGAGGCCCTTCAAACCTTACTTTGGAGG AAGTATTACAGTGGGCCAGTCTTTGAAAATTAATGGCTACAAAAATATGGTCCAGTAG TCTATGCAGCATATTTAAAAATGGAGCACAGTGACGAGAATATTCATTTGGATGGCAT GTGAAACCTATAAGAAAATTCGCTCACGGTGGAGCAGAATTTCTAGGGCAAAGAAGCTTT ATAAGATTTACATCCAGCCACAGTCCCTTAGAGAGATTAACATTGACAGTTCGACAAGAG AGACTATCATCAGGAACATTCAGGAACCCACTGAAACATGTTTTGAAGAAGCTCAGAAAA TAGTCTATATGCATATGGAAGGGATTCTACCCAGATTTCTAAAGTCAGAAATGTACC AAAAACTTTTGAAAATATGCAGTCCAACAACAGTTTCTGACTACAACCTAAAAAGTTTAA ATAGAAAACAGTATATTGAAAGTGGTGGTTTGATCTTTTTATTTAGAAACCCACAAAAAT CAGAAACACAGTACAAATAAAACAGAAATCAAACATAAGTTGACTTTTAGTTCTAAAA AGAAACATATTTCAAAGCAATGGAATCTAGAATCTTATAACATGAATAACAAAATGTA CAGCAAGCCTATGTAGTTCAATTAATATATAAGGAAAAGGAAGGTCTTTCTTCATGATAC AAGCATTATAAAGTTTTACTGTAGTAGCAATTAATGGATTTTCTTGTTAATAAAAAT TTTGTGCATAATTTACAAATTAGTTCTTTAAAAATTGTTGTTATATGAATTGTGTTTCT AGCATGAATGTTCTATAGAGTACTCTAAATAACTTGAATTTATAGACAAATGCTACTCAC AGTACAATCAATTGTATTATACCATGAGAAAATCAAAAAGGTGTTCTTCAGAGACATTTT ATCTATAAAAATTTTCTACTATTATGTTCAATTAACAAAATCTTTATCACATGTATCTTC TACATGTAAAACATTTCTGATGATTTTTTAACAAAAATATATGAATTTCTTCATTTGCT CTTGACTCTACATTGCTATAAGGATATAAAATGTGGTTTCTATATTTTGAGATGTTTTT CCTTACAATGTGAACTCATCGTGATCTTGAAATCAATAAAGTCAAATATCAAAAAAAA AAAAAA</pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144766 unedited AGTACATATATTGTNATACGACTCACTTAGGGCGGCCGCGACTTCATATCTGGTACCGGT CCGGAATCCC GGATATCGTCGACCCACGCGTCCGCGGACGCGTGGGTGACCCACGCG TCCGGTAATTATAGAGACAGTAAATCCTTTTACTCTGGGAAAAATAAAATGCTGGGTG TCTCAGAAAATTCAGAACCTGATTTCAAACGGATCATAACAAAGAGGAGATCAAATTTA GCATGGTGGACTGCTCGACAGGATATTTGTCAATGGAATGTTCCACATATTATACCA CCAACATGAGAAAAAATGATCATTGTTTATTTGAAGCTTGAAAAATGAGCAGGCGGAAT TGTTGGATTTGTAAGATGTGCAGAGATGAATCTAAGAGGCCCTTCAAACCTTACTTTG GAGGAAGTATTACAGTGGGCCAGTCTTTTGAATAATGGCTACAAAATATGGTCCA GTAGTCTATGCAGCATATTTAAAAATGGAGCACAGTGACGAGAATATTCAATTCTGGATG GCATGTGAAACCTATAAGAAAATGCCTCACGGTGGAGCAGAATTTCTAGGGCAAAGAAG CTTTATAAGATTTACATCCAGCCACAGTCCCCTAGAGAGATTAACATTGACAGTTCGACA AGAGAGACTATCATCAGGAACATTCAGGAACCCACTGAAACATGTTTTGAAGAAGCTCAG ATAATAGTCTATATGCATATGGAAGGGATTCTACCCAGATTTCTAAAGTCAGATATG TACCANAACTTTTGAAACTATGCAGTCCCAACACAGTTTCTGACTGACTCANAAGT TNAANATAGANACAGTATATTGGAAGTGTNGGGTTTTGATCCTTTTATNTAGGAAACC CACCANATCAGATACACAGTGCANATNAAACAGAAATCAAACCTATNAGCTTGACTTTTTA ATCT
Restriction Sites:	Please inquire
ACCN:	NM_144766
Insert Size:	1446 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:	<ol style="list-style-type: none"> 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_144766.1</u> , <u>NP_658912.1</u>
RefSeq Size:	1458 bp
RefSeq ORF:	480 bp
Locus ID:	6003
UniProt ID:	<u>O14921</u>
Cytogenetics:	1q31.2
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene is a member of the regulator of G protein signaling (RGS) family. RGS family members share similarity with *S. cerevisiae* SST2 and *C. elegans* egl-10 proteins, which contain a characteristic conserved RGS domain. RGS proteins accelerate GTPase activity of G protein alpha-subunits, thereby driving G protein into their inactive GDP-bound form, thus negatively regulating G protein signaling. RGS proteins have been implicated in the fine tuning of a variety of cellular events in response to G protein-coupled receptor activation. The biological function of this gene, however, is unknown. Two transcript variants encoding the same isoform exist. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.