

Product datasheet for **SC321112**

RGS18 (NM_130782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS18 (NM_130782) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGS18
Synonyms:	RGS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_130782.2
 ATTTCTGCAGAGACAGAAAGAAACGCAGCTCTTGACTTCTTTTTGTAAACACTACTGTA
 AGAGTTGTGATAACTTTTTATTCTACTATGTATATGTATGGAATAGTATTAATAAATGAA
 CTAGGGAAGGATGTAATAAATTAGACATCTCTTCATTTTAGAGAGAAGATGGAACAACA
 TTGCTTTTCTTTCTCAAATAAATATGTGTGAATCAAAAGAAAAAATTTTTCAAGTTA
 ATACATGGTTTCAGGAAAAGAAGAAACAAGCAAGAAGCCAAAATCAGAGCTAAGGAAAA
 AGAAATAGACTAAGTCTTCTTGTGCAGAAACCTGAGTTTCATGAAGACACCCGCTCCAGT
 AGATCTGGGCACTTGGCCAAAGAAACAAGAGTCTCCCCTGAAGAGGCAGTGAAATGGGGT
 GAATCATTTGACAACTGCTTCCCATAGAGATGGACTAGAGGCTTTTACCAGATTTCTT
 AAAACTGAATTCAGTGAAGAAAATATTGAATTTTGGATAGCCTGTGAAGATTTCAAGAAA
 AGCAAGGGACCTCAACAAATTCACCTTAAAGCAAAAGCAATATATGAGAAATTTATACAG
 ACTGATGCCCCAAAAGAGGTTAACCTTGATTTTACACAAAAGAAGTATTACAAACAGC
 ATCACTCAACCTACCCTCCACAGTTTTGATGCTGCACAAAGCAGAGTGTATCAGCTCATG
 GAACAAGACAGTTATACACGTTTTCTGAAATCTGACATCTATTTAGACTTGATGGAAGGA
 AGACCTCAGAGACCAACAATCTTAGGAGACGATCAGCTCATTTACCTGCAATGAATTC
 CAAGATGTACAATCAGAGCTTGCCATTTGGTTATAAAGAAAATTGATTTTGCTCATTTTT
 ATGACAAACTTATACATCTGCTTCTAACATATCGCATGTTTATGTTAAGATTTGGTCCCA
 TCCTTTAAACTGAAATATGTCATGTGAAATTTTTAAAAATGTAACAAAACAAACTTTCT
 GCTAACAAAATACATACAGTATCTGCCAGTATATTCTGTAAAACCTTCTATTTGATGTCA
 TTCCATTTATAATCAGAAAAAACTTATTTCTTAATCAAAGGCAGTACAAAAAAGTA
 ATAATGTTTTATAAGATTGTAGAGTTAAGTAAAAGTTAAGCTTTTGCAAAGTTGTCAAAA
 GTTCAAACAAAAGTCTAGTTGGGATTTTTACCAAAGCAGCATAATATGTGTTATATAAA
 CATAATAACTCAGATATCCAAATGTTTCAGATAGCATTTTTTCATAATGAATGTTCTCTT
 TTTTTGGTAATAGTGTAGAAGTGATCTGGTTCTTACAATGGGAGATGAAGAACATTTAT
 TATTGGGTTACTACTAACCTGTCCCAAGAATAGTAATATCACCTCTAGTTATAAGCCAG
 CAACAGGAACTTTTGTGAAGACACATTCATCTCTACGGAACCTCAGATTAATATAATCT
 AGATTAATGACTGAGAATAAGATCCACATTTGAACTCATTCTAAGTGAACATGGACGTA
 CCCAGTTATACAAAGTACTTCTGTTGGTCACAGAAACATGACCAGATTTTGCATATCTCC
 AGGTAGGGAACCTAAGTACTACCTTATCACCGGCTAAGAAAACCTGCTACTAACTATT
 AGGCCATCAATGGCTTGAATAAAAACAGAGAAGGTTTTTCCCAGGACGCTCATGTTTG
 GCCCTTTAGAATTGGGGTAGAAATCAGAAATGAGATGAGGGGAAGAAGCAAGGAGCTAA
 GGCCCTAGCGATTTGGGCATCTGCCACATTTGGTTCAATTCAGAAAAGTGTATCTCATTG
 ATTATATTCTTGTAAAGCAAATCTCCTTAAAGTAATTATTATTCAAATAAGATTATACTCA
 TACATCTATATGCACTGTTTTAAAGAGATATTTAATTTTTAATGTGTGTACATGGTCT
 GTAAATATTTGTATTTAAAAATGCCATGCATTAGGCTTTGGAAATTTAATGTTAGTTGAA
 ATGTAAATGTGAAAACCTTAGATCATTGTAGTAATAAATATTTTTAACTTCATTTCATA
 CAGTTAAGTTTATCTGACAATAAAAGCTCTGACTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_130782

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:	<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:	NM_130782.2 , NP_570138.1
RefSeq Size:	2158 bp
RefSeq ORF:	708 bp
Locus ID:	64407
UniProt ID:	Q9NS28
Cytogenetics:	1q31.2
Domains:	RGS
Gene Summary:	<p>This gene encodes a member of the regulator of G-protein signaling family. This protein is contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]</p>