

## Product datasheet for **SC213623**

### **RGS18 (NM\_130782) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	RGS18 (NM_130782) Human 3' UTR Clone
Symbol:	RGS18
Synonyms:	RGS13
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_130782
Insert Size:	1291 bp



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<b>Insert Sequence:</b>	<p>&gt;SC213623 3'UTR clone of NM_130782 The sequence shown below is from the reference sequence of NM_130782. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTACAATCAGATGTTGCCATTTGGTTATAAAGAAAATTGATTTTGCTCATTTTTATGACAAACTTATAC ATCTGCTTCTAACATATCGCATGTTTATGTTAAGATTTGGTCCCATCCTTTAAACTGAAATATGTCATG TGAAATTATTTAAAAATGTAAAAACAAACTTTCTGCTAACAAAATACATACAGTATCTGCCAGTATA TTCTGTAAAACCTTCTATTTGATGTCATTCCATTATAATCAGAAAAAAAACCTATTTCTTAATCAAAA GGCAGTACAAAAAAGTAATAATGTTTTATAAGATTGTAGAGTTAAGTAAAAGTTAAGCTTTTGCAAAG TTGTCAAAAGTTCAAACAAAAGTCTAGTTGGGATTTTTACCAAAGCAGCATAATATGTGTTATATAAA CATAATAACTCAGATATCCAATGTTGAGATAGCATTTTTTCATAATGAATGTTCTCTTTTTTTGGT AATAGTGTAGAAGTGATCTGGTTCTTACAATGGGAGATGAAGAACATTTATTATTGGGTTACTACTAAC CCTGTCCCAAGAATAGTAATATCACCTCTAGTTATAAGCCAGCAACAGGAACCTTTGTGAAGACACATT CATCTCTACAGAACTTCAGATTAATATAATCTAGATTAATGACTGAGAATAAGATCCACATTTGAACT CATTCTAAGTGAACATGGACGTACCCAGTTATACAAAGTACTTCTGTTGGTCACAGAAACATGACCAG ATTTTGCATATCTCCAGGTAGGGAACCTAAGTAGACTACCTTATCACCCGGCTAAGAAAACCTTGCTACTAA ACTATTAGGCCATCAATGGCTTGAATAAAAACCAGAGAAGGTTTTCCAGGACGCTCATGTTTGGCC CTTTAGAATTGGGGTAGAAATCAGAAATGAGATGAGGGGAAGAAGCAAGGAGTCTAAGGCCCTAGCGAT TTGGGCATCTGCCACATTGGTTCATATTCAGAAAGTGTATCTCATTGATTATATTCTTGTAAAGCAAA TCTCCTTAAGTAATTATTATTCAAATAAGATTATACTCATACATCTATATGTCAGTGTTTAAAGAGAT ATTTAATTTTTAATGTGTGTTACATGGTCTGTAATATTTGTATTAAAAATGCCATGCATTAGGCTTT GGAAATTTAATGTTAGTTGAAATGTAAAATGTGAAAACCTTAGATCATTGTAGTAATAAATATTTTTA ACTTCATTACATACAGTTAAGTTTATCTGACAATAAAAAGCTCTGACTGAA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_130782.3</a>
<b>Summary:</b>	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]

Locus ID: 64407

MW: 49.5