

## Product datasheet for **SC208867**

### **RGS17 (NM\_012419) Human 3' UTR Clone**

#### **Product data:**

|                       |                       |
|-----------------------|-----------------------|
| <b>Product Type:</b>  | 3' UTR Clones         |
| <b>Symbol:</b>        | RGS17                 |
| <b>Synonyms:</b>      | hRGS17; RGS-17; RGSZ2 |
| <b>Mammalian Cell</b> | Neomycin              |
| <b>Selection:</b>     |                       |
| <b>Vector:</b>        | pMirTarget (PS100062) |
| <b>ACCN:</b>          | NM_012419             |
| <b>Insert Size:</b>   | 2000 bp               |



**Insert Sequence:**

>SC208867 3'UTR clone of NM\_012419

The sequence shown below is from the reference sequence of NM\_012419. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AGTACTGCTGGCTCTTCTCTGAATCTAATGTTTCATTTAAAAACAATCATTTTGGAGGGCTGAGATGG
GAAATAAAAGTAGTTAAATAACATCAGAACTGAGTTCCTGGAGAACTACAGTTTAGCATTCTCAGGC
TACTGTGAAACACAACCGTTATGGTCTTGTCTCCATTTTATCAAGGTTTTCCATGGTTAAGTTTGG
AGAAAAACACACAAAAACAATGAATTGCCAAATGTTTGTGTTTATTCAAGACTCATTCTACTTGAAG
CAAAGTGATTTGTAGTCTATGAACAGTCTCCTCGTGTATCTCCAGAGACTGCATGTGCAAGTAAAA
TGCTTCATTGGCCACATAGTTGTTGAATATTTAATCCAGTAGCATAAATTATCTGTATTTAAGGAC
TTTTGTGCAATATGGTCTTAAGAAATAATTGCCAAAAAATCGGCCATGGTTTGCATTTTTTAACATAA
TCTAAGACAGAAAAAGCAATTTTACTATGTAAATGGTATTCAACATTCTATATACTGTGTTTAG
TACACTAATTTTGAAGCCAATTTTCTGTACATGAAAAAGAGCTATTTATCTGTGTTTGTGGAATATC
CTAATGGGGATTCTCTGGTTGTTCACTGCCAAAACTGTGGCATTTTCATTACAGGAGAGTTTACTATG
CTAAAGCAAAAAACAAAAAAGGGGAAGAGGAAAAAGCACAACAAATTTGAAGATATC
CTATCTCAATGACAAATCAAAAGAGTGATATTGCTTTTAACTGTAATAGAAGAAATGAATTTATGTAT
ATATCAGATGTCCAATACTGTAAATTAATTTAATAAGACTGGCTCTCCAGTTTAAAAATGGTTGTGTA
AGTTATGTACTTCAGCAAGAAAAAATAATAAAGCTTGATAACTTAGTTTTGGAATATAAAGAAAAAG
GACTTAATAAAGGAATGCCTACATGTAGCACTGTAAACATTTTGTGAATAGCATCTGCCTGTGGCA
TATTTTCTTGAAAGTGAATCCAATGAAAGCTAAGTTTTTACCAGGAAAAGTTTTATAAGGGTTATG
AAGAAAAATACTCTACTTACAGACCTTAACTGTTTTTACATAATATCTTAAGGATGACATTTTAAAGA
TGTTTAAACCAACTATTAGTTTTTATCCATCATTAAAGGCAGTACAGTGCTCAAACTCTCCAGCTGC
CATATTATTTTTATAAGTACACTAAATCTTTACGACAAAACACTTGCCTGACATTGTCACTGACTTCT
GACCTTCAAGGAACAATATTCTGTATGCATGATAAAGTGATAATTAATAATCAGTGTCATATTTATA
TCAAAGTGTTACATTTGAATATTAATATCCCTGAAGACTATTTTTTAAATATTAAGTGAATGAATAT
AATACTGAGTAACCTAAATGAAAGTTTTAAAAAGATTATATCCACTGAGAACACTGGCCTTATATTA
AGGATGATATTACAGTTACAGGTTTCTTTGTGCTATTTTTTAACTACCTCTCATTTTTTAAATTTATTA
ACATATTTTTTAAAAAACAAGTTTGGGGTTTCTTTTTAAATTTATTTTACTTGAAAGTTGGCATCA
CAAGTTTCTTTTTCCATAAACTTAAACATTTCAAAAATGGTTTTTTAAGCAAGTATGATTTTCTAAT
TTATATAGAATTCAGGAGACATGAATAAAGGGCTATTATCTATTCCTATGCAATATTTTAACTGTT
GCAGTGTGTTGACAAAATGGGATTTTTTAAAAATGCAGAGTAGAAAACAAATATTCTGTTTACACTGG
CGTTGCTGACTATCCTACCATATTCAGCACTTTTAAATACGTTATTTATGAAAATGCAGTAAAAATGCA
AGATAGAAAAATTTATAAATCATTTCTTTTAAACAAATGCCTGTGTTTTCTGAAAGTGTTAGTGTG
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

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).

**Components:**

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.

**Note:**

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM\_012419.5

**Summary:** This gene encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain and a cysteine-rich region. 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. [provided by RefSeq, Jul 2008]

**Locus ID:** 26575

**MW:** 77.9