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Product datasheet for SC331035

RGS3 (NM_001276261) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: RGS3 (NM_001276261) Human Untagged Clone

Tag: Tag Free

Symbol: RGS3

Synonyms: C2PA; RGP3

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

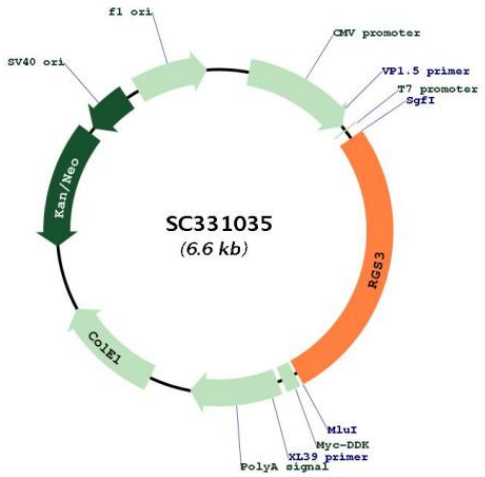
>SC331035 representing NM_001276261.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAACCGCTTCAATGGGCTCTGCAAGGTGTGCTCGGAGCGCCGCTACCGCCAGATCACCATCCCGAGG
GGAAAGGACGGCTTTGGCTTCACCATCTGCTGCGACTCTCCAGTTCGAGTCCAGGCCGTGGATTCCGGG
GGTCCGGCGGAACGGGCAGGGCTGCAGCAGCTGGACACGGTGCTGCAGCTGAATGAGAGGCCTGTGGAG
CACTGGAAATGTGTGGAGCTGGCCCACGAGATCCGGAGCTGCCCCAGTGAGATCATCCTACTCGTGTGG
CGCATGGTCCCCCAGGTCAAGCCAGGACCAGATGGCGGGGTCCTGCGGCGGGCCTCCTGCAAGTCGACA
CATGACCTCCAGTCACCCCCCAACAAACGGGAGAAGAACTGCACCCATGGGGTCCAGGCACGGCCTGAG
CAGCGCCACAGCTGCCACCTGGTATGTGACAGCTCTGATGGGCTGCTGCTCGGCGGCTGGGAGCGCTAC
ACCGAGGTGGCCAAGCGCGGGGGCCAGCACACCCTGCCTGCACTGTCCCGTGCCACTGCCCCCACCGAC
CCCAACTACATCATCCTGGCCCCGCTGAATCCTGGGAGCCAGCTGCTCCGGCCTGTGTACCAGGAGGAT
ACCATCCCCGAAGAATCAGGGAGTCCCAGTAAAGGGAAGTCCTACACAGGCCTGGGGAAGAAGTCCCGG
CTGATGAAGACAGTGCAGACCATGAAGGGCCACGGGAACTACCAAAACTGCCCGGTTGTGAGGCCGCAT
GCCACGCACTCAAGCTATGGCACCTACGTCACCCTGGCCCCCAAAGTCCTGGTGTTCCCTGTCTTTGTT
CAGCCTCTAGATCTCTGTAATCCTGCCCGGACCCTCCTGCTGTCAGAGGAGCTGCTGCTGTATGAAGGG
AGGAACAAGGCTGCCGAGGTGACACTGTTTGCCTATTCGGACCTGCTGCTCTTCACCAAGGAGGACGAG
CCTGGCCGCTGCGACGTCCTGAGGAACCCCCTCTACCTCCAGAGTGTGAAGCTGCAGGAAGGTTCTTCA
GAAGACCTGAAATTCTGCGTGCTCTATCTAGCAGAGAAGGCAGAGTGCTTATTCACTTTGGAAGCGCAC
TCGCAGGAGCAGAAGAAGAGAGTGTGCTGGTGCCTGTCGGAGAACATCGCCAAGCAGCAACAGCTGGCA
GCATCACCCCCGGACAGCAAGATGAGCGGGGCTGACACCGTTGGGGATGATGACGAAGCCTCCCGGAAG
AGAAAGAGCAAAAACCTAGCCAAGGACATGAAGAACAAGCTGGGGATCTTCAGACGGCGGAATGAGTCC
CCTGGAGCCCCTCCCGCGGGCAAGGCAGACAAAATGATGAAGTCATTCAAGCCCACCTCAGAGGAAGCC
CTCAAGTGGGGCGAGTCCTTGGAGAAGCTGCTGGTTCACAAATACGGGTTAGCAGTGTTCCAAGCCTTC
CTTCGCACTGAGTTCAGTGAGGAGAATCTGGAGTTCTGGTTGGCTTGTGAGGACTTCAAGAAGGTCAAG
TCACAGTCCAAGATGGCATCCAAGGCCAAGAAGATCTTTGCTGAATACATCGCGATCCAGGCATGCAAG
GAGGTCAACCTGGACTCCTACACGCGGGAGCACACCAAGGACAACCTGCAGAGCGTCACGCGGGGCTGC
TTCGACCTGGCACAGAAGCGCATCTTCGGGCTCATGGAAAAGGACTCGTACCCTCGCTTTCTCCGTTCT
GACCTCTACCTGGACCTTATTAACCAGAAGAAGATGAGTCCCCCGCTTTAG

Restriction Sites: SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001276261
Insert Size:	1776 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:	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_001276261.1
RefSeq Size:	2735 bp
RefSeq ORF:	1776 bp
Locus ID:	5998
UniProt ID:	P49796
Cytogenetics:	9q32
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance

MW: 66.5 kDa

Gene Summary: This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTPase-activating protein that inhibits G-protein-mediated signal transduction. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (8) lacks several 5' exons but includes an alternate 5' exon, and it thus differs in the 5' UTR and 5' coding region, and it lacks an alternate in-frame exon in the 3' coding region, compared to variant 6. The encoded isoform (7) is shorter and has a distinct N-terminus, compared to isoform 6.