

Product datasheet for **MC216645**

Rgs9 (NM_001165934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs9 (NM_001165934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgs9
Synonyms:	RGS9-1; Rgs9-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216645 representing NM_001165934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGATCCGACACCAAGGCCAGCAGTACAGGCCGAGGATGGCATTCTCCAAAAGATCGAAGCCCTGG
 TGAAGGACATGCAGAACCCAGAGACGGGAGTCAGAATGCATAACCAGAGAGTCCTGGTACCAGTGTCCC
 TACGCCATGACAGGAGGTGACGTGCTGCACTGATCACCCAGCGCCTTTGGATCTTAACCTGGAGGCA
 CAGAACCTGGGCAACTTTATTGTCAAGTATGGCTACATCTATCCTTTGCAAGACCCCAAGAATCTCATCC
 TCAAGCCGGACAGCAGTCTTACCATTTCAGACGCCATATTTCTGGCCACGCAGCAGTGGCCAGCTGA
 AGACACAGACTACGCCATCTATAGCGAAGCGGAATATCAAGAAGAAGGGGATTTAGAAGAATATGAA
 AAGGAAAATTATGATTTCTTGAACAAGAAGATTAATTACAAGTGGGATTTGTGCATCATGCAGGCCAAAG
 AGCAGTACCGACTGAAAGGAAAGGAACAAGCCGACAGGTACGCGCTGGACTGCCAGGAGAAGGCGTA
 TTGGCTGGTGCACCGAAGTCCGCTGGAATGAACAATGTGTTAGACTACGGCCTGGACCGGTGACCAAT
 CCAAACGAAGTTAAGAAACAAACTGTCCTGCTGTCAGAAAAGAGATCATGTATTACCAACAGGCCTTAA
 TGAGGTCCACAGTGAAGTCTTCGGTGTCTCTTGGAGGAATTGTCAAGTACAGCGAGCAGTCTCTGTCCTAA
 TGACGCCATCATGTCCGGCTGCCTTCCAAGCAATCCTTGGATAACAGACGACACCCAGTTCTGGGATTTA
 AATGCCAATTGGTGGAGATCCCAACCAAGATGCGAGTGGAGAGATGGGCTTTCACTTCAGCGAACTGA
 TTCGAGACCCCAAGGGTTCGGCAGAGCTTCCAGTACTTTCTCAAGAAGGAATTTAGTGGGGAGAACCTAGG
 ATCTGGGAAGCCTGTGAGGACCTGAAGTACGGCGATCAGTCCAAGGTCAAGGAGAAAGCAGAGGAGATC
 TACAAGCTGTTCTGGCCCCAGGTGCGAGGCGGTGGATCAACATAGACGGCAAAACCATGGACATCACCG
 TGAAGGGGCTCAGACACCCCAACCGCTATGTACTGGATGCAGCGCAGACCCACATTTACATGCTCATGAA
 GAAGGATTTCTTACGCACGCTATTTGAAATCTCCAATCTATAAAGAAATGCTGGCCAAAGCTATCGAGCCC
 CAGGAAACCACCAAGAGAAGCTCCACCCTCCATTTATGAGGCGTCACCTACGCTCCAGCCCAAGCCCTG
 TCATTCTGCGGCAGCTGGAAGAAGAAGAGAAAGCTCGAGAAGCAGCCAACACCGTGGACATCACCCAGGT
 CATGAGCAAGCTGGACCGCAGGAGCCAACCTCAAAAAGGAGCTGCCTCCTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001165934

Insert Size: 1455 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_001165934.1](#), [NP_001159406.1](#)

RefSeq Size: 7642 bp

RefSeq ORF: 1455 bp

Locus ID: 19739

Cytogenetics: 11 71.86 cM

Gene Summary: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to GNAT1. Involved in phototransduction; key element in the recovery phase of visual transduction. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.