

Product datasheet for **RN216747**

Rgs6 (NM_019342) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs6 (NM_019342) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rgs6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216747 representing NM_019342
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCAGGGATCCGGAGACCAGCGAGCAGTGGGGTTGCTGATCCGGAAGAGAGTTCTCCCAACATGA
 TTGTCTACTGCAAAATCGAGGACATCATTACGAAGATGCAAGATGACAAGACAGGGGTGTGCCATCAG
 AACAGTTAAGAGCTTTCTCTCCAAAATCCCCAGTGTCTGTCACAGGTAAGTACTGACATTGTGCAGTGGCTTATG
 AAGAACCCTTCCATTGAAGACCCAGTTGAAGCAATACACCTGGGAAGCCTTATCGCCGCCAGGGCTACG
 TCTTCCCAATCTCAGACCAGTCTCACCATGAAGGACGATGGCACCTTTTACCGTTTCCAGGCTCCTTA
 CTTCTGGCCTTCAAACCTGCTGGGAACCTGAAAACACAGACTATGCCATCTACCTCTGTAAGAGGACGATG
 CAGAACAAGGCAAGGCTGGAATTGGCCGACTACGAAGCAGAAAACCTTAGCGGAGACTCCAGAGGGCCTTTG
 CAAGGAAGTGGGAATTCATCTTTATGCAAGCAGAAGCGCAAGTCAAGATTGACCGGAAGAAAGATAAGAC
 GGAAGGAAAATCTGGATAGCCAAGAACGGGCCTTCTGGGATGTCCACAGGCCAGTCCAGGCTGTGTG
 AACACAACGGAAATGGATATCAGAAAATGTCGGGTTTGAAGAATCCACAAAAGGTTAAAAAGTCAGTAT
 ATGGTGTGACAGACGAGTCCCAGTCCAGAGTCCGGTGCACATACCAAGCCAGCCAAATCAGGAAAACCTAC
 AAAAGACGACATCCGAAAACAGATAACGTTTTTGAACGCACAGATTGACAGACATTGTTTAAAAATGTCC
 AAAGTGGCTGAAAGCTTAATCGCTTACACGGAGCAGTATGTGGAATACGACCCCTTTCATAACACCAGCAG
 AGCCATCTAACCTTGGATCAGCGATGACATCACCTTATGGGACATAGAGATGAGCAAAGAGCCAGCCA
 GCAGCGAGTGAAGCGTTGGGCTTCTCTTTGATGAGATACTGAAGGACCAGGTGGGCGGGACCAAGTTC
 CTCAGATTCCTGGAGTCAGAATTCAGTTCAGAAAATCTCAGTTCCTGGCTGGCCGTCCAAGATCTCAAGA
 AGCAACCTCTACAGGATGTGCCAAGAGGGTGGAGAAAATCTGGCAAGAGTTCTAGCTCCCGGAGCCCC
 AAGTGCAATCAACCTGGATTCTCACAGCTATGAGATAACCAAGTCAGAATGTCAAAGATGGAGGGAGATAC
 ACATTTGAAGATGCCAGGAGCAGTCTACAAGCTGATGAAGAGTGACAGCTACGCCGCTTCTACGGT
 CCAATGCTTACCAGGATCTGTTGCTGGCCAAGAAGAAGGAAAAGTCGCTGGCGGGCAAGCGCCTTACGGG
 CCTGATGCAGTCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019342
- Insert Size:** 1419 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_019342.1](#), [NP_062215.1](#)

RefSeq Size: 2337 bp

RefSeq ORF: 1419 bp

Locus ID: 54295

Cytogenetics: 6q24

Gene Summary: activates G-protein alpha GTPase activity; may play a role in negative regulation of G-protein signaling; human homolog may induce neuronal differentiation [RGD, Feb 2006]