

Product datasheet for **RR216747**

Rgs6 (NM_019342) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR216747 representing NM_019342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGGGATCCGGAGACCAGCGAGCAGTGGGGTGTCTGATCCGGAAGAGAGTTCTCCCAACATGA
 TTGTCTACTGCAAAATCGAGGACATCATTACGAAGATGCAAGATGACAAGACAGGGGGTGTGCCATCAG
 AACAGTTAAGAGCTTTCTCTCCAAAATCCCCAGTGTCTGTCACAGGTAAGTACTGACATTGTGCAGTGGCTTATG
 AAGAACCTTTCCATTGAAGACCCAGTTGAAGCAATACACCTGGGAAGCCTTATCGCCGCCAGGGCTACG
 TCTTCCCAATCTCAGACCAGTCTCACCATGAAGGACGATGGCACCTTTTACCGTTTCCAGGCTCTTA
 CTTCTGGCCTTCAAACCTGCTGGGAACCTGAAAACACAGACTATGCCATCTACCTCTGTAAGAGGACGATG
 CAGAACAAGGCAAGGCTGGAATTGGCCGACTACGAAGCAGAAAACCTTAGCGGACTCCAGAGGGCCTTTG
 CAAGGAAGTGGGAATTCATCTTTATGCAAGCAGAAGCGCAAGTCAAGATTGACCGGAAGAAAGATAAGAC
 GGAAGGAAAATCTTGGATAGCCAAGAAGCGGCCCTTCTGGGATGTCCACAGGCCAGTCCAGGCTGTGTG
 AACACAACGGAATGGATATCAGAAAATGTCGGCGTTTGAAGAATCCACAAAAGGTTAAAAAGTCAGTAT
 ATGGTGTGACAGACGAGTCCCAGTCACAGAGTCCGGTGCACATACCAAGCCAGCCAATCAGGAAAACATC
 AAAAGACGACATCCGAAAACAGATAACGTTTTTGAACGCACAGATTGACAGACATTGTTTAAAAATGTCC
 AAAGTGGCTGAAAGCTTAATCGCTTACACGGAGCAGTATGTGGAATACGACCTTTCATAACACCAGCAG
 AGCCATCTAACCTTGGATCAGCGATGACATCACCTTATGGGACATAGAGATGAGCAAAGAGCCCAGCCA
 GCAGCGAGTGAAGCGTTGGGCTTCTCTTTGATGAGATACTGAAGGACCAGTGGGGCGGGACCAGTTC
 CTCAGATTCTGGAGTCAGAATTCAGTTACAGAAAATCTCAGTTCTGGCTGGCCGTCCAAGATCTCAAGA
 AGCAACCTCTACAGGATGTGCCAAGAGGGTGGAGGAAATCTGGCAAGAGTTCTAGCTCCCGGAGCCCC
 AAGTGCAATCAACCTGGATTCTCACAGCTATGAGATAACCAAGTCAAGTGTCAAAGATGGAGGGAGATAC
 ACATTTGAAGATGCCAGGAGCAGTCTACAAGCTGATGAAGAGTACAGCTACGCCGCTTCTACGGT
 CCAATGCTTACCAGGATCTGTTGCTGGCCAAGAAGAAGGAAAGTCGCTGGCGGGCAAGCGCCTTACGGG
 CCTGATGCAGTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216747 representing NM_019342
 Red=Cloning site Green=Tags(s)

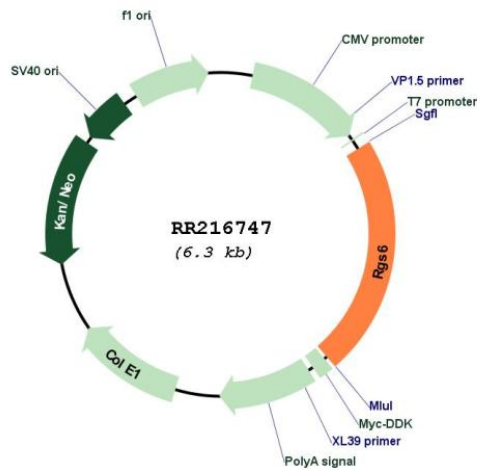
MAQSGDQRAVGVADPEESSPNMIVYCKIEDIITKMDDKTGGVPIRTVKSFLSKIPSVVTGTDIVQWLM
 KNLSIEDPVEAIHLGSLIAAQGYVFPISDHVLTMKDDGTFYRFQAPYFWPNSCWEPENTDYAIYLCKRTM
 QNKARLELADYEAEENLARLQRAFARKWEFIFMQAEQVKIDRKKDKTERKILDSQERAFWDVHRPVPQCV
 NTTEMDIRKCRRLKNPQVKKSIVYGVTDVDESSQSPVHIPSQPIRKTTKDDIRKQITFLNAQIDRHCLKMS
 KVAESLIAYTEQYVEYDPFITPAEPSNPWISDDITLWDIEMSKEPSQQRVWRWGFSEILKQVGRDQF
 LRFLESEFSSENLRFWLAQDLKKQPLQDVAKRVEEIQEFLAPGAPSAINLDSHSEITSQNVKDGGRY
 TFEDAQEHYKLMKSDSYARFLRSNAYQDLLAKKKGKSLAGKRLTGLMQSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_019342

ORF Size: 1416 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 54.5 kDa

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]