

Product datasheet for **MR227964**

Rgs19 (NM_001291210) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs19 (NM_001291210) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rgs19
Synonyms: 2610042F04Rik; AI324841; AW547781; GAIP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227964 representing NM_001291210
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCATAGCCCCACGGGCCGAGTGTATCCGGGCATTCTGCGCACAGAATACAGCGAAGAGAACATGC
TCTTCTGGCTGGCTTGTGAGGAGTTGAAAGCAGAGGCCAACCAACATGTGGTGGACGAGAAGGCCGACT
TATCTATGAGGACTACGTGTCCATCCTGTCCCCAAGGAGGTAAGCCTGGACTCCCGTGTGCGAGAAGGC
ATCAATAGGAAGATGCAAGGCCATCGCCACACACATTTGATGATGCACAGCTGCAGATCTACACCTCA
TGCACCGGACTCGTACCCTCGATTCTTACCTCCCCACCTACCCTCTCTATTACTCCAGGGGGCCCC
ACAGTCCTCTGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227964 representing NM_001291210
Red=Cloning site Green=Tags(s)

MHSPTGRSVFRAFLRTEYSEENMLFWLACEELKAEANQHVVDEKARLIYEDYVVSILSPKEVSLDSRVREG
INRKMQEPSPHTFDDAQLQIYITLMHRDSYPRFLTSPTYRSLLLQGAPQSSEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001291210.1</u> , <u>NP_001278139.1</u>
RefSeq Size:	1286 bp
RefSeq ORF:	369 bp
Locus ID:	56470
UniProt ID:	<u>Q9CX84</u>
Cytogenetics:	2 103.72 cM
MW:	14.6 kDa
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 G-alpha subfamily 1 members, with the order G(i)a3 > G(i)a1 > G(o)a >> G(z)a/G(i)a2. Activity on G(z)-alpha is inhibited by phosphorylation and palmitoylation of the G-protein (By similarity). [UniProtKB/Swiss-Prot Function]