

Product datasheet for MC226526

Rgs19 (NM_001291205) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs19 (NM_001291205) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rgs19
Synonyms: 2610042F04Rik; AI324841; AW547781; GAIP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226526 representing NM_001291205
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTATCTGCCAGGATCCTATGCTGCAGTGAGGGTCCAGAGCTGGCACCACAGAATCTGGGCAACCCCC
 TCCACTACCCATGCCACCCACATGAGGCTGAGAAACAGCACACAGGGCCAGAGGAGGCAGACAGGCC
 TCCCTCGATGTCCAGCCATGACGCAGCCCCCTCAGGACCTCCAGTCGCAATCCCTGCTGCTTATGCTGG
 TGCTGCTGCTGTAGCTGCTCCTGGAACCAAGAACGGCAACGAGCTTGGCAGGTTTCTCGGAAAGCAAGC
 TGCAACCCCTCCCCAGCTGTGAAGTCTGCACTCCACCAAGCCCTAAGGAAGTACAGAGCTGGGCACAGTC
 CTTTGACAAGTTGATGCATAGCCCCACGGGCCGAGTGTATTCCGGGCATTCTGCGCACAGAATACAGC
 GAAGAGAACATGCTCTTCTGGCTGGCTTGTGAGGAGTTGAAAGCAGAGGCCAACCAACATGTGGTGGACG
 AGAAGGCGCGACTTATCTATGAGGACTACGTGCCATCCTGTCCCCAAGGAGGTAAAGCTGGACTCCCG
 TGTGCGAGAAGGCATCAATAGGAAGATGCAAGAGCCATCGCCACACACATTTGATGATGCACAGCTGCAG
 ATCTACACCCTCATGCACCGGGACTCGTACCCTCGATTCCCTACCTCCCCACCTACCGCTCTCTATTAC
 TCCAGGGGGCCCCACAGTCTCTGAGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291205
Insert Size: 732 bp



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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:	<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_001291205.1, NP_001278134.1</u>
RefSeq Size:	1512 bp
RefSeq ORF:	732 bp
Locus ID:	56470
Cytogenetics:	2 103.72 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). 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.</p>