

Product datasheet for MR227964

Rgs19 (NM_001291210) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type: Expression Plasmids	
Product Name: Rgs19 (NM_001291210) Mouse Tagged ORF Clone	
Tag: Myc-DDK	
Symbol: Rgs19	
Synonyms: 2610042F04Rik; Al324841; AW547781; GAIP	
Vector: pCMV6-Entry (PS100001)	
E. coli Selection: Kanamycin (25 ug/mL)	
Cell Selection: Neomycin	
ORF Nucleotide>MR227964 representing NM_001291210Sequence:Red=Cloning site Blue=ORF Green=Tags(s)	
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGA GCC <mark>GCGATCGC</mark> C	TCTGCC
ATGCATAGCCCCACGGGCCGCAGTGTATTCCGGGCATTCCTGCGCACAGAATACAGCGAAGAGA TCTTCTGGCTGGCTTGTGAGGAGTTGAAAGCAGAGGCCAACCAA	GCGACT GAAGGC CCCTCA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC ACAAGGATGACGACGATAAGGTTTAA	TGGATT
Protein Sequence:>MR227964 representing NM_001291210Red=Cloning site Green=Tags(s)	
MHSPTGRSVFRAFLRTEYSEENMLFWLACEELKAEANQHVVDEKARLIYEDYVSILSPKEVSLD INRKMQEPSPHTFDDAQLQIYTLMHRDSYPRFLTSPTYRSLLLQGAPQSSEA	SRVREG
TRTRPLEQKLISEEDLAANDILDYKDDDDKV	
Restriction Sites: Sgfl-Mlul	



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Cloning Scheme:

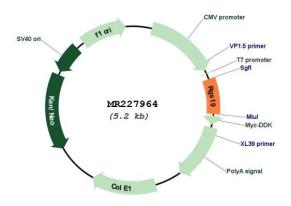


* The last codon before the Stop codon of the ORF

Plasmid Map:

ORF Size:

OTI Disclaimer:



ACCN: NM_001291210

366 bp

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. <u>More info</u>

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ORIGENE Rgs19	(NM_001291210) Mouse Tagged ORF Clone – MR227964
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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, 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]

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