

Product datasheet for MR202294

Rgs2 (NM_009061) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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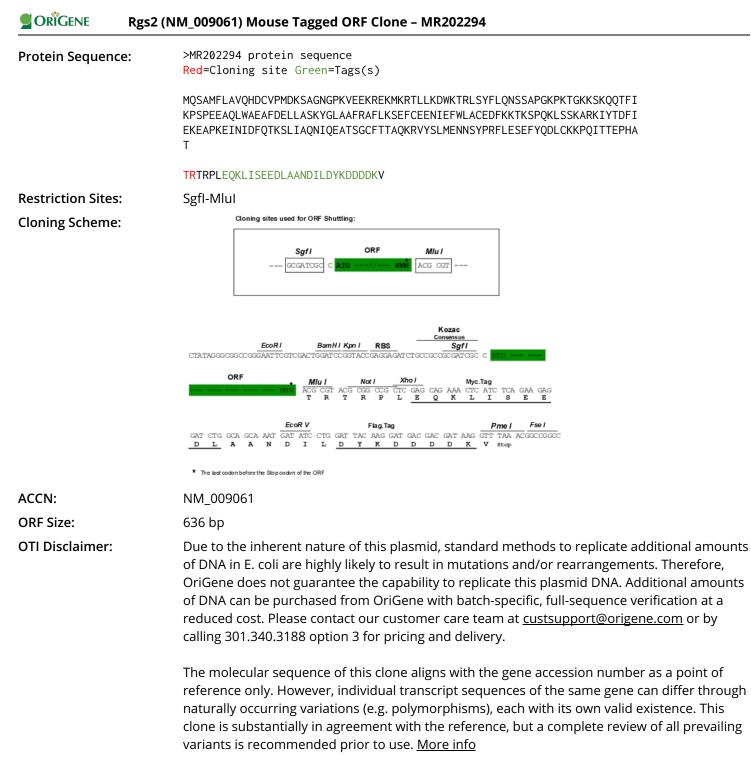
Product Type:	Expression Plasmids
Product Name:	Rgs2 (NM_009061) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rgs2
Synonyms:	GOS8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>MR202294 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGCC</mark>

ATGCAAAGTGCCATGTTCCTGGCTGTCCAGCACGACTGCGTACCCATGGACAAGAGTGCAGGCAACGGCC CCAAGGTCGAGGAGAAGCGGGAGAAAATGAAGCGGACACTCTTAAAGGATTGGAAGACCCGTTTGAGCTA CTTCTTGCAGAATTCCTCTGGCTCCTGGGAAGCCCAAAACTGGCAAGAAAAGCAAACAGCAAACTTTTATC AAGCCTTCTCCTGAGGAAGCGCAGCTCTGGGCAGAAGCATTTGATGAACTGCTGGCCAGTAAATATGGGC TGGCTGCATTCAGGGCGTTTTTAAAGTCCGAGTTCTGTGAAGAAAACATTGAATTCTGGTTGGCTTGTGA AGACTTCAAAAAACCAAATCACCCCAAAAACTGTCCTCAAAAGCAAGGAAAATCTATACCGACTTCATA GAGAAGGAAGCTCCCAAAAGCAACATGACTTCCAAAAGCAAGGAAAATCTATACCGACTTCATA GAGAAGGAAGCTCCCAAAAGAGATAAACATAGACTTCCAAACGAAATCTTGATTGCCCAAAATATCCAAG AGGCTACAAGTGGCTGCTTCACCACAGCTCAGAAGAGGGTGTACAGTTTGATGGCGAGAACATTCTTATCC TCGGTTCTTGGAGTCCGAATTCTACCAGGACTTATGTAAAAAGCCACAGATCACCACGGAGCCCCATGCT ACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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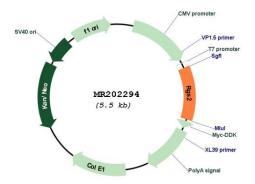


OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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CRIGENE Rgs2 (NM_009061) Mouse Tagged ORF Clone – MR202294	
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 009061.4</u>
RefSeq Size:	3009 bp
RefSeq ORF:	636 bp
Locus ID:	19735
UniProt ID:	<u>008849</u>
Cytogenetics:	1 62.56 cM
MW:	24.3 kDa
Gene Summary:	Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (By similarity). It is involved in the negative regulation of the angiotensin-activated signaling pathway (By similarity). Plays a role in the regulation of blood pressure in response to signaling via G protein-coupled receptors and GNAQ. Plays a role in regulating the constriction and relaxation of vascular smooth muscle (PubMed:14608379). Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202294

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