

Product datasheet for MC215726

Rgs3 (NM_001081650) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs3 (NM_001081650) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgs3
Synonyms:	4930506N09Rik; C2pa; C2PA-RGS3; PDZ-RGS3; RGS3S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215726 representing NM_001081650 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACCGCTTCAATGGGCTCTGCAAAGTGTGTTCAGAACGCCGCTACCGCAGATCACCATCCGGAGGG
GCAAAGACGGCTTTGGCTTACCATCTGCTGTGACTCTCCGGTCCGAGTCCAGGCTGTGGATTCTGGGG
CCCGGCAGAGAGGGCGGGACTGCAGCAGCTGGACACAGTCTACAACGAATGAGAGACCCGTGGAGCAC
TGGAAATGTGTGGAGCTGGCACATGAGATCCGGAGCTGTCTAGCGAGATCATCTGCTCGTGTGGCGTG
TGGTCCCCAGATCAAGCCGGGGCCAGATGGCGGAGTCTTGCGGCGGGCCTCTGCAAGTCCACACATGA
CCTCCTGTCAACCCCTAACAAAGAGGGAGAAGAAGTGTACTCATGGGGCCCCAGTTCGTCCTGAGCAGCGC
CACAGCTGCCACCTGGTGTGTGACAGCTCTGATGGTCTACTGCTTGGTGGCTGGGAGCGCTACACTGAGG
TGGGAAGCGCAGTGGCCAGCACACCCTGCCTGCACTGTCCCGGACCACCACCCCTACTGACCCCAACTA
CATCATCTGGCCCCACTGAATCCTGGAAGCCAGTTGCTGCGGCTGTGTACCAGGAGGATACAATCCCT
GAAGAACCGGGGACTACTACTAAAGGAAATCGTACACCGCCTGGCAAGAAGTCTCGGCTCATGAAGA
CAGTGCAGACCATGAAGGGCCACAGTAACTACCAAGACTGCTCAGCCCTGAGACCCACATCCCGCATT
CAGTTACGGCACCTATGTACCCTGGCCCCCTAAAGTCTGGTGTCCCTGTCTTTGTGCAGCCCTAGAT
CTCTGTAACCCTGCCCGACTCTCTGTGTGCGGAGGAGCTGCTGCTGTATGAGGGGAGGAACAAGACTT
CCCAGGTGACACTGTTTGCCTACTCGGACCTGCTGCTGTTCACTAAGGAGGAGGACCCAGGCCGCTGCGA
CGTCTGAGAAATCCCCTCTACCTCCAGAGCGTGAAGCTACAGGAGGGCTCTTCAAGAACTTGAATTC
TGTGTGCTGTACCTGGCAGAGAAGGCAGAGTGTATTCACTTTGGAGGCACACTCGCAGGAGCAGAAGA
AGAGAGTGTGCTGGTGCCTGTGCGAGAACATCGCCAAGCAGCAACAGCTGGCCGACCACCTACAGAGAG
GAAGAACTTACCCTTACGGCTCTCTCCAGCAGGAGATGGGGCCAGTCACTCCATCAGTGCCACCCAG
GATAGAAGCTTACCTCATCAGGACAGACCCTGATTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081650
Insert Size:	1302 bp
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).
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_001081650.2</u> , <u>NP_001075119.1</u>
RefSeq Size:	4001 bp
RefSeq ORF:	1302 bp
Locus ID:	50780
UniProt ID:	<u>Q9DC04</u>
Cytogenetics:	4 33.19 cM
Gene Summary:	<p>Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein-mediated release of inositol phosphates and activation of MAP kinases. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks several exons and includes an alternate 3' terminal exon, compared to variant 2. It encodes isoform 3, which is shorter and has a distinct C-terminus, compared to isoform 2.</p>