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Product datasheet for MC220324

Rgs9 (NM_011268) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs9 (NM_011268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgs9
Synonyms:	RGS9-1; Rgs9-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC220324 representing NM_011268
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGATCCGACACCAAGGCCAGCAGTACAGGCCGAGGATGGCATTTCTCCAAAAGATCGAAGCCCTGG
TGAAGGACATGCAGAACCCAGAGACGGGAGTCAGAATGCATAACCAGAGAGTCCTGGTCACCAGTGTCCC
TCACGCCATGACAGGAGGTGACGTGCTGCAGTGGATCACCCAGCGCCTTTGGATCTCTAACCTGGAGGCA
CAGAACCTGGGCAACTTTATTGTCAAGTATGGCTACATCTATCCTTTGCAAGACCCCAAGAATCTCATCC
TCAAGCCGGACAGCAGTCTCTACCGATTTCAGACGCCATATTTCTGGCCCACGCAGCAGTGGCCAGCTGA
AGACACAGACTACGCCATCTATCTAGCGAAGCGGAATATCAAGAAGAAGGGGATTTTAGAAGAATATGAA
AAGGAAAATTATGATTTCTTGAACAAGAAGATTAATTACAAGTGGGATTTTGTCATCATGCAGGCCAAAG
AGCAGTACCGGACTGGAAAGGAAAGGAACAAAGCCGACAGGTACGCGCTGGACTGCCAGGAGAAGGCGTA
TTGGCTGGTGCACCGAAGTCCGCCTGGAATGAACAATGTGTTAGACTACGGCCTGGACCGCGTGACCAAT
CCAAACGAAGTTAAGAAACAAACTGTCACTGCTGTCAGAAAAGAGATCATGTATTACCAACAGGCCTTAA
TGAGGTCCACAGTGAAGTCTTCGGTGTCTCTTGGAGGAATTGTCAAGTACAGCGAGCAGTTCTCGTCCAA
TGACGCCATCATGTCCGGCTGCCTTCCAAGCAATCCTTGGATAACAGACGACACCCAGTTCTGGGATTTA
AATGCCAAATTGGTGGAGATCCCAACCAAGATGCGAGTGGAGAGATGGGCTTTCAACTTCAGCGAACTGA
TTCGAGACCCCAAGGGTCGGCAGAGCTTCCAGTACTTTCTCAAGAAGGAATTTAGTGGGGAGAACCTAGG
ATTCTGGGAAGCCTGTGAGGACCTGAAGTACGGCGATCAGTCCAAGGTCAAGGAGAAAGCAGAGGAGATC
TACAAGCTGTTCCTGGCCCCAGGTGCGAGGCGGTGGATCAACATAGACGGCAAAACCATGGACATCACCG
TGAAGGGGCTCAGACACCCCCACCGCTATGTACTGGATGCAGCGCAGACCCACATTTACATGCTCATGAA
GAAGGATTCTTACGCACGCTATTTGAAATCTCCAATCTATAAAGAAATGCTGGCCAAAGCTATCGAGCCC
CAGGAAACCACCAAGAGAAGCTCCACCCTCCCATTTATGAGGCGTCACCTACGCTCCAGCCCAAGCCCTG
TCATTCTGCGGCAGCTGGAAGAAGAAGAGAAAGCTCGAGAAGCAGCCAACACCGTGGACATCACCCAGCC
AGGTCAGCACTTGGCTCCCAGTCCTCACCTGGCCGTGTATACAGGGACCTGCGTGCCTCCCTCTCCCTCC
AGTCCCTTCTCACCATCCTGCCGCTCCCCCAGGAAGCCCTTTGCTTCCCCGAGTCGCTTCATCCGGCGGC
CCAGCATTGCCATCTGCCCCTCGCCCAGCCGAGTGGCTTTGGAGGGTTCTTCGGGACTGGAGCCCAAGGG
GGAAGCCAGCTGGTCTGGCGCCAACTCTGGGCCCTCAGTCACTGAGAACAGAGAGCCCTCTGCAGACCAC
TCAAGACCCCAGCCCAGGGCCCCTCCCAAGGCCCGTGCAGCTCTGTCCCTTGGCAGGTTCCTGAGACGGG
GCTGTTTGGCATCACCAGTTTTTGCCAGGCTCTCACCCAAGTGCCCCTCTGTGTCACACGGGAAGGTGCA
GCCTCTGGGGGACATGGGCCAACAGCTGCCCAGGCTGAAACCCAAGAAAGTAGCCAACTTTTTCCAGATC
AAAATGGAAATGCCTACAGACAGTGGGACCTGCCTGATGGACTCGGATGACCCCAGAGCAGGAGAGTCTG
GTGACCAGACCACAGAAAAAGAAGTCATCTGCCCCTGGGAGAGCCTGGCGGAAGGGAAGGCGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011268

Insert Size: 2028 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).

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Reconstitution Method:	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:	NM_011268.2, NP_035398.2
RefSeq Size:	2486 bp
RefSeq ORF:	2028 bp
Locus ID:	19739
UniProt ID:	O54828
Cytogenetics:	11 71.86 cM
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 GNAT1. Involved in phototransduction; key element in the recovery phase of visual transduction. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence. The genomic coordinates used for the transcript record were based on transcript alignments.

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