

Product datasheet for **MC222872**

Rgs3 (NM_134257) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgs3 (NM_134257) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgs3
Synonyms:	4930506N09Rik; C2pa; C2PA-RGS3; PDZ-RGS3; RGS3S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222872 representing NM_134257
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCGCTTCAATGGGCTCTGCAAAGTGTGTTCAGAACGCCGCTACCGCAGATCACCATCCGGAGGG
 GCAAAGACGGCTTTGGCTTCACCATCTGCTGTGACTCTCCGGTCCGAGTCCAGGCTGTGGATTCTGGGG
 CCCGGCAGAGAGGGCGGGACTGCAGCAGCTGGACACAGTCTACAATGAATGAGAGACCCGTGGAGCAC
 TGGAAATGTGTGGAGCTGGCACATGAGATCCGGAGCTGTCTAGCGAGATCATCTGCTCGTGTGGCGTG
 TGGTCCCCCAGATCAAGCCGGGGCCAGATGGCGGAGTCTTGGCGGGCCCTCTGCAAGTCCACACATGA
 CCTCTGTCAACCCCTAACAAAGAGGGAGAAGAAGTGTACTCATGGGGCCCAAGTTCGCTCTGAGCAGCGC
 CACAGCTGCCACCTGGTGTGTGACAGCTCTGATGGTCTACTGCTTGGTGGCTGGGAGCGCTACACTGAGG
 TGGGAAGCGCAGTGGCCAGCACACCCTGCCTGCACTGTCCGGACCACCACCCCTACTGACCCCAACTA
 CATCATCTGGCCCCACTGAATCTGGAAGCCAGTTGCTGCGGCCTGTGTACCAGGAGGATACAATCCCT
 GAAGAACCGGGGACTACTACTAAAGGAAATCGTACACCGGCCTGGGCAAGAAAGTCTCGGCTCATGAAGA
 CAGTGCAGACCATGAAGGGCCACAGTAACTACCAAGACTGCTCAGCCCTGAGACCCGACATCCCGCATTC
 CAGTTACGGCACCTATGTCAACCTGGCCCTAAAGTCTGGTGTCCCTGTCTTTGTGCAGCCCTAGAT
 CTCTGTAACCCCTGCCCGACTCTCTGTGTGGAGGAGCTGTGCTGTATGAGGGGAGGAACAAGACTT
 CCCAGGTGACACTGTTTGCTACTCGGACTGTGCTGTTCACTAAGGAGGAGGACCCAGGCCGCTGCGA
 CGTCTGAGAAATCCCTCTACCTCCAGAGCGTGAAGCTACAGGAGGGCTCTTCAGAAGACTTGAATTC
 TGTGTGCTGTACCTGGCAGAGAAGGCAGAGTGTATTCACTTTGGAGGCACACTCGCAGGAGCAGAAGA
 AGAGAGTGTGCTGGTGCCTGTGCGAGAACATCGCAAGCAGCAACAGCTGGCCGACACCACTACAGAGAG
 GAAGATGTTTGAGACAGAGGCAGATGAGAAGGAGATGCCCTGGTCGAGGGGAAGGGGCCAGGTGCTGAG
 GAACCCGCACCCAGCAAAAATCCCTCTCTGGCCAGGAGCTTCTCCAGGACAAGACCTCCCTCCCAGCA
 AAGACCCCTCTCCAGCCAGGAGCTTCTGCGAGACAAGATCTCCCTCCCAGCAAAGACCCCTCTCCCAG
 CCAGGAGCTTCTGCAGGACAAGATCTCCCTCCCAGCAAAGACCCCTCTCCCAGCCAGGAGCTTCTGTGA
 GGACAAGACCTCCCACCCAGGAAGGACTCTCAGGCCAAGAAGCTGTCTGGCCAGAATCACCATCCA
 GTGAAGACATAGCAACCTGCCCTAAGCCCTCAAAGCCAGAAACCTCAACAAGCAAGGACTCCCACC
 AGGCCAGGGATCTCCCCGACCACAGAACTCCCATCTTCCAGGGCTTCTGCTGGTCAAGAATCTACT
 AGCCAGGACCTCTGCTCAGTCAAGAGCCCTGTTATCCAGAATCCTCTGCCTCCGTCCAGAAACGCC
 TACCCTCTCAGGAGTCAACCTCCAGCCTGGGCTCCCTGCCAGAGAAGGACCTTGCTGAGCAGACCATCAG
 CTCCGGGGAGCCACCAGTCCGCACTGGTGTGACTGCCAGCCTCTAGACCTAATTTGTGATCCCCGAG
 GTGCGTCTGGATAATGCCTACAGCAACTGGATGGGGCCACGGAGGCAGCTCTGGCGAGGACGAGGATG
 CAGAAGAGGGAGAGGAGGGGGAGAAGGGGAGGAAGATGAGGAGGACGACACCAGCGACGACAACACTCGG
 GGATCGTAGTGAGGCCAAGCGCAGCAGCCTGATTGAGACTGGCCAAGGCGCCGAGGGCGGCTTCTCGTTG
 CGTGTGCAGAACTCGTGCAGCGCCGACAGCAGCGAGGGCAGCCTGCTGCAGGAGTCCCGGGGGCCCT
 GCTTTGCCTCTGACACCCTTACACTGCTCTGATGGCGAGGGCGCCACATCCACCTGGGCTATCCCTTC
 ACCCGCACCCCTCAAAAAGAAGTGGGTGTAATGGAGGCTCCATGCACCACCTTCCCTGTTCTTCAGG
 GGACACAGGAAGATGAGTGGGACTGACCTCACAGAATGTGATGAAGCTTCCCGAAGAGAAAGCAAAA
 ACATAGCCAAGGACATGAAGAATAAGCTGGCATCTTTCAGGCGGCGGAACGAATCTCCGGGGCTCAGCC
 AGCCAGCAAGACAGACAAGACAACCAAGTCTTCAAGCCTACCTCGGAGGAAGCCCTCAAGTGGAGCGAG
 TCCCTGGAAAAGTTGCTGCTTCAAAAATAGGCTTAGAAGTGTTCAGGCTTCTTTCGACCCGAGTTCA
 GTGAGGAGAACCCTGGAGTTTTGGCTCGCTTGCAGGACTTCAAGAAGGTCAAATCACAGTCCAAGATGGC
 AGCCAAAGCCAAGAAGATCTTTGCTGAATTCATCGCAATCCAGGCTTGAAGAGGTAACCTGGACTCC
 TACACACGAGAACACCAAGGAGAATCTGCAGAGCATACCCGAGGCTGCTTTGACTTGGCACAGAAAC
 GTATCTTTGGGCTCATGGAGAAGGACTTACCCTCGTCTCCTCGCTCTGACCTCTACCTGGACCTCAT
 TAACCAGAAGAAGATGAGTCCCCGCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_134257
Insert Size:	2901 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_134257.3</u> , <u>NP_599018.3</u>
RefSeq Size:	3751 bp
RefSeq ORF:	2901 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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (2).</p>