

Product datasheet for **MC224101**

Rgs22 (NM_001195748) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Rgs22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224101 representing NM_001195748 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCGGAGAAGCGGCTCTCGGCGGAGCCGCCAGAAGTTACAGAAGAAGAGTTTAAAAATTATTTGGCAA
CAGACAACCTCCTTGTGGATTACTTTAATGAGTCTTAAGTCTTCTACCTTTCCAGAGGCAATTAGATT
TAACGTAGACTACGGAGTTTTTGAAGTAGTTAATGATGCACCACAACCTTCTGGAAAAGCAACTGAAAAA
ATTCTGCAAAAACGACAACCTCGGAATCCCATCTATGATGTTGTGAGGAAAAGGGAAGAGTGACAGTAAAT
CTACTCAGAAAAGTGTCCCCTCGCAAGATGAGGCCATCAATGTCAACTACAGCATCATGTGTCTCAAGCG
TGAACAAGGTATTAATTTGGATCAAAAGGAAAGACTTCCGGCATTCTGGAAAAGCGATTGCTACTTTGAA
TACAGGTTAGCAAAGTTGATCTCGCAAGCAACATGGAGCAGCACAGGCATGAATTTTCATAGTGGGTACAA
ACTTTACTCCCTGGATCCTCAGAAGACCACCTGCTCCACCTCCTCCAGCACCCGACGAAGACAATTATAT
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CCCCAGTTATTGCCACAGCTTCTGAGATTTTGTATGATGGAGTTACCCCAAGGACTATAAAAAGCCTGTC
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ACAGATGGCCACCCTCTGCCGTTAAGACCGAAGTCTGCATTCCACAGACCCCTGAGGTCCAGGGAGAA



GAAATCAATTTATTTCAACCATCTAAATTTAAGAAATATCAAAAAATAATGCAGGGACTCAACAACTTG
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CATGTTTCAGAAAGCTACATGCTTTGCATAAAGAAACAATTTCAAAGAAGGCTGAGGACACCCTGGGTA
TGCAATGGCCAAGCTGTCCCTCTCGGATGTCTCTAAACAAACAGAGTACTGGCTGAATGTCCCTGAGGGG
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AGTGGATATCTTTCATCCTGTGAGATTATTGCTTTCCGTAAAGCATTATTGAATCCAGTCATTGCAAGGCA
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ACTGCTTCATTAACCTATATCCCACCAGCTTTACAGATTGATATTCCAGTTGAGCAAGCCGAGAAGAT
CCTTGAACACAGGAAGGAGCTGGGGCCGTATGTGTTCCGAGAGGCACAGATGACAAATTTTGGGTTCTG
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AGAGAAGACAGGAACATAAGCAGAAAAGGAAAGCGTCAGACACAGAAGAGGACAAGGCGGAAAGAGTGG
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CTGCAGTCCATGGCCCGCAGCCAACCTGGTGTATTCAAAGTACATAGAAGCCTTGGAAACAAGAGCGAA
TTCTTCTGAAAATCCAAGAAGAAGTGGAAAGAAAAATGTTACAGGTACATCATCTTTCACAAACTGTCT
TAAGCCTTCCACTGGCTCCGCTCTGTCTCTGAAGAAGATGTGTCTTTCACAGCATCCAGAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001195748

Insert Size:

3777 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001195748.1](#), [NP_001182677.1](#)

RefSeq Size: 4008 bp

RefSeq ORF: 3777 bp

Locus ID: 626596

UniProt ID: [G3UYX5](#)

Cytogenetics: 15 B3.1

Gene Summary: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form.[UniProtKB/Swiss-Prot Function]