

Product datasheet for **RG224320**

RIMS4 (NM_182970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIMS4 (NM_182970) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RIMS4
Synonyms:	C20orf190; RIM-4; RIM 4; RIM4; RIM4-gamma; RIM4gamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224320 representing NM_182970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCTCGCAGAGCCGCTCAGTCTGTCCGCCTCTTCGAGGCGCTCGCCATCTACTTCCCGTGCA
TGAATCCTTCGACGACGAGGACGCAGGGGACAGCCGAGGCTGAAGGGGGCCATCCAGAGGAGCACGGA
GACGGCCTGGCAGTGGAGATGCCAGCCGGACACTGCACCAGGCCAGCCAGAGTCCATTGAGGACAGC
ATGAACAGCTATGGCTCAGAGGGCAACCTTAATATGGAGGAGTTGCCTGGCGTCGGACGCCAGTTCA
GTGACTTCCTGGGAAGCATGGGGCCGGCACAGTTTGTGGGCCGCCAGACCCTGGCCACCACCCATGGG
GGATGTGGAGATCGGTCTGCAGGAGCGGAACGGTCAGTTGGAGGTGGACATTATCCAGGCTCGGGGACTG
ACAGCCAAGCCAGGCTCCAAGACACTGCCAGCGCCTACATCAAGGCCTACCTGTAGAGAATGGCATCT
GCATTGCCAAGAAGAAGACCAAAGTCGCTCGCAAGTCGCTGGACCACTGTATAACCAGGTGCTGCTGTT
TCCTGAGAGTCCCAGGGCAAAGTCCTCCAGGTGATCGTGTGGGGGAACACGGGCGGATGGAGCGGAAG
CAGTTCATGGGTGTGGCTCGCGTGCTGCTGGAGGAGCTGGACTTGACCACCCTGGCCGTGGGCTGGTACA
AGCTCTTCCCACCTCCTCCATGGTGGACCCAGCCACAGGCCCTGCTCCGGCAGGCATCCAGTTGTC
CCTCGAGAGCACCGTGGGGCCCTGCGGAGAACGATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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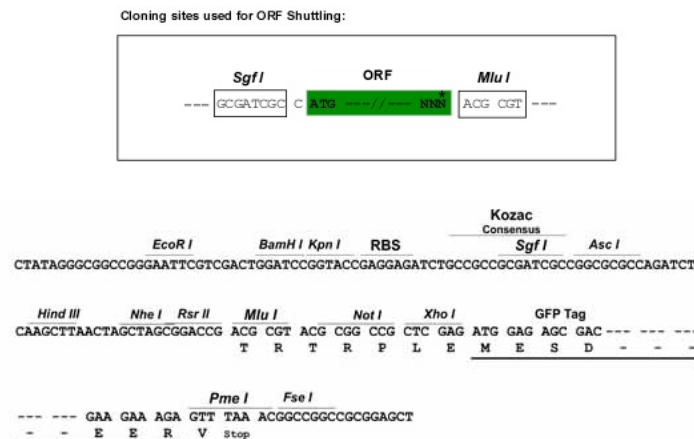
Protein Sequence: >RG224320 representing NM_182970
 Red=Cloning site Green=Tags(s)

MERSQSRLSLSASFEALAIYFPCMNSFDDDEDAGDSRRLKGAIQRSTETGLAVEMPSRTLQASHESIEDS
 MNSYSGSEGNLYGGVCLASDAQFSDFLGSMGPAQFVGRQTLATTPMGDVEIGLQERNQLEVDIIQARGL
 TAKPGSKTLPAAIYKAYLLENGICIAKKKTKVARKSLDPLYNQVLLFPESPOGKVLQVIVWGNVGRMERK
 QFMGVARVLLLELDLTTLAVGWYKLFPTSSMVDPATGPLLRQASQLSLESTVGPCGERS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182970

ORF Size: 807 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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

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.

RefSeq: [NM_182970.4](#)

RefSeq Size: 5136 bp

RefSeq ORF: 810 bp

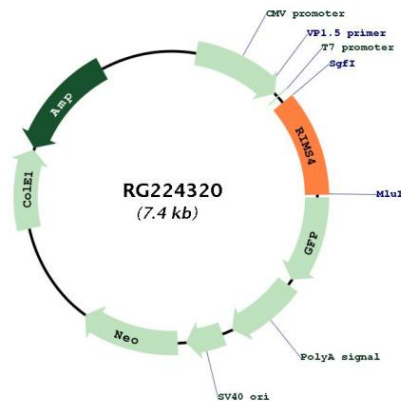
Locus ID: 140730

UniProt ID: [Q9H426](#)

Cytogenetics: 20q13.12

Gene Summary: Regulates synaptic membrane exocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224320