

Product datasheet for **RC224320**

RIMS4 (NM_182970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIMS4 (NM_182970) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RIMS4
Synonyms:	C20orf190; RIM-4; RIM 4; RIM4; RIM4-gamma; RIM4gamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224320 representing NM_182970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCTCGCAGAGCCGCCTCAGTCTGTCCGCCTCCTTCGAGGCGCTCGCCATCTACTTCCCGTGCA
TGAACCTCTCGACGACGAGGACGCAGGGGACAGCCGGAGGCTGAAGGGGGCCATCCAGAGGAGCACGGA
GACGGCCTGGCAGTGGAGATGCCAGCCGGACACTGCGCCAGGCCAGCCAGAGTCCATTGAGGACAGC
ATGAACAGCTATGGCTCAGAGGGCAACCTTAACATATGGAGGAGTTTGCCTGGCGTCGGACGCCAGTTCA
GTGACTTCTGGGAAGCATGGGGCCGGCACAGTTTGTGGGCCGCCAGACCCTGGCCACCACCCCATGGG
GGATGTGGAGATCGGTCTGCAGGAGCGGAACGGTCAGTTGGAGGTGGACATTATCCAGGCTCGGGGACTG
ACAGCCAAGCCAGGCTCCAAGACACTGCCAGCGCCTACATCAAGGCCTACCTGTAGAGAATGGCATCT
GCATTGCCAAGAAGAAGACCAAAGTCGCTCGCAAGTCGCTGGACCCACTGTATAACCAGGTGCTGTGTT
TCCTGAGAGTCCCAGGGCAAAGTCCTCCAGGTGATCGTGTGGGGGAACACGGGCGGATGGAGCGGAAG
CAGTTCATGGGTGTGGCTCGCGTGTGCTGGAGGAGCTGGACTTGACCACCCTGGCCGTGGGCTGGTACA
AGCTCTCCCCACCTCCTCCATGGTGGACCCAGCCAGGCCCTCTGCTCCGGCAGGCATCCAGTTGTC
CCTCGAGAGCACCGTGGGGCCCTGCGGAGAACGATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224320 representing NM_182970
 Red=Cloning site Green=Tags(s)

MERSQSRLSLSASFEALAIYFPCMNSFDDDEDAGDSRRLKGAIQRSTETGLAVEMPSRTLQASHESIEDS
 MNSYSGSEGNLNYGGVCLASDAQFSDFLGSMGPAQFVGRQTLATTPMGDVEIGLQERNQGQLEVDIIQARGL
 TAKPGSKTLPAAAIKAYLLENGICIAKKKTKVARKSLDPLYNQVLLFPESPOGKVLQVIVWGNYSRMRK
 QFMGVARVLLLELDLTLAVGWYKLFPTSSMVDPATGPLLRQASQLSLESTVGPCCGERS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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.

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

RefSeq: [NM_182970.4](#)

RefSeq Size: 5136 bp

RefSeq ORF: 810 bp

Locus ID: 140730

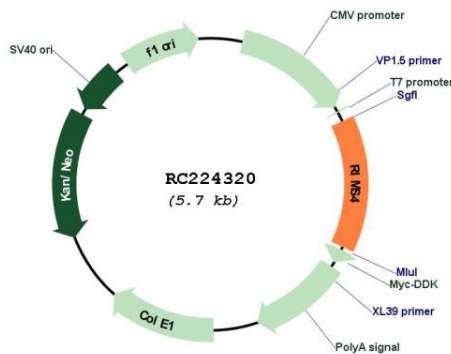
UniProt ID: [Q9H426](#)

Cytogenetics: 20q13.12

MW: 29.1 kDa

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

Product images:



Circular map for RC224320