

Product datasheet for SC307545

RIMS4 (NM_182970) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIMS4 (NM_182970) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>SC307545 representing NM_182970. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGAGCGCTCGCAGAGCCGCCTCAGTCTGTCCGCCTCCTTCGAGGCGCTCGCCATCTACTTCCCCTGC
 ATGAACTCCTTCGACGACGAGGACGAGGGGACAGCCGGAGGCTGAAGGGGGCCATCCAGAGGAGCACG
 GAGACGGGCCTGGCAGTGGAGATGCCAGCCGACACTGCGCCAGGCCAGCCACGAGTCCATTGAGGAC
 AGCATGAACAGCTATGGCTCAGAGGGCAACCTTAACTATGGAGGAGTTTGCCTGGCGTCGGACGCCCAG
 TTCAGTGAATTCCTGGGAAGCATGGGGCCGGCACAGTTTGTGGGCCCGCAGACCCTGGCCACCACACCC
 ATGGGGGATGTGGAGATCGGTCTGCAGGAGCGGAACGGTCAGTTGGAGGTGGACATTATCCAGGCTCGG
 GGACTGACAGCCAAGCCAGGCTCCAAGACACTGCCAGCGGCTACATCAAGGCCTACCTGCTAGAGAAT
 GGCATCTGCATTGCCAAGAAGAAGACCAAAGTCGCTCGCAAGTCGCTGGACCCACTGTATAACCAGGTG
 CTGCTGTTTCTGAGAGTCCCCAGGGCAAAGTCCTCCAGGTGATCGTGTGGGGGAACACGGGCGGATG
 GAGCGGAAGCAGTTTCATGGGTGTGGCTCGCGTGTGCTGGAGGAGCTGGACTTGACCACCTGGCCGTG
 GGCTGGTACAAGCTTTCCCCACCTCCTCATGGTGGACCCAGCCACAGGCCCCCTGCTCCGGCAGGCA
 TCCAGTTGTCCCTCGAGAGCACCGTGGGGCCCTGCGGAGAACGATCTTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_182970
Insert Size:	810 bp


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_182970.3</u>
RefSeq Size:	5207 bp
RefSeq ORF:	810 bp
Locus ID:	140730
UniProt ID:	<u>Q9H426</u>
Cytogenetics:	20q13.12
MW:	29.3 kDa
Gene Summary:	Regulates synaptic membrane exocytosis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.