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Product datasheet for SC309143

RIM1 (RIMS1) (NM_014989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIM1 (RIMS1) (NM_014989) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIM1
Synonyms:	CORD7; RAB3IP2; RIM; RIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC309143 representing NM_014989.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTA
CCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCC
ATGTCCTCGGCCGTGGGGCCCCGCGGTCCTCGCCCACCCACGGTGCCTCCCCCCATGCAAGAGCTGCCC
GACCTGAGCCACCTGACCGAAGAGGAGAGGAACATTATCATGGCAGTGATGGACCGGCAGAAGGAAGAG
GAGGAAAAAGAAGAAGCCATGCTCAAGTGTGTTGTCAGGGACATGGCGAAGCCTGCTGCCTGCAAAACA
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TGTGGAATCTGTCATAAAACAAAGTTTGCTGATGGGTGCGGTCATCTCTGCTCCTATTGTCGCACTAAG
TTCTGTGCGCGCTGCGGAGGCCGCGTGTCTCTACGGTCAAACAACGAGGACAAAGTGGTTATGTGGGTA
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GCCCCGGAGCTCAAAGCCCAGGAGCCCCTCAGGAAGCAGAGCCGCCTGGACCCCAGCTCGGCGGTCCTC
ATGCGGAAGGCCAAGCGCGAGAAGGTGGAGACCATGCTGCGGAACGACTCTTTGAGCTCAGACCAGTCC

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GAGTCGGTGCGGCCGTCCCCGCCCAAGCCGCACCGGTCCAAGAGAGGCGGCAAGAAGCGGCAGATGTCG
GTGAGCAGCTCTGAGGAGGAGGGCGTGTCGACGCCCGAGTACACCAGCTGCGAGGACGTGGAGCTGGAG
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CAAGAACTTGATCGCGAGCAATATTCCAAGTATAACATACATAAAGATCAGTACAGAAGCTGTGATAAC
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GATGAAAGTCCACAGGGTAAAGTTCTTCAGGTGATTGTCTGGGGAGACTATGGCAGAATGGACCACAAA
TGCTTTATGGGTGTGGCTCAGATCTTGTTGGAAGAACTCGACCTGTCCAGCATGGTGATCGGATGGTAC
AAATTGTTCCCACCGTCCTCACTGGTGGATCCCACACTCACTCCCCTCACCCGGCGGGCTTCCCAGTCA
TCTCTGGAAAGTTCAACTGGGCCTCCCTGTATTCGATCATAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	AscI-RsrII
ACCN:	NM_014989
Insert Size:	5079 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).
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:	NM_014989.5
RefSeq Size:	7836 bp
RefSeq ORF:	5079 bp
Locus ID:	22999
UniProt ID:	Q86UR5
Cytogenetics:	6q13
Domains:	C2, PDZ, RPH3A_effector
MW:	189.1 kDa

Gene Summary: The protein encoded by this gene is a RAS gene superfamily member that regulates synaptic vesicle exocytosis. This gene also plays a role in the regulation of voltage-gated calcium channels during neurotransmitter and insulin release. Mutations have suggested a role cognition and have been identified as the cause of cone-rod dystrophy type 7. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Mar 2012]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.