

Product datasheet for SC316871

RIM2 (RIMS2) (NM_001100117) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIM2 (RIMS2) (NM_001100117) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIM2
Synonyms:	CRSDS; OBOE; RAB3IP3; RIM2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001100117, the custom clone sequence may differ by one or more nucleotides <pre> ATGTCGGCTCCTGTCGGGCCCGGGGCCGCTGGCTCCCATCCCGCGGCTCTCAGCCG CCTCTGCAGCCCGAGATGCCTGACCTCAGCCACCTCACGGAGGAGGAGAGGAAAAATCATC CTGGCCGTCATGGATAGGCAGAGAAAGAAGAGGAGAAGGAGCAGTCCGTGCTCAAAAAA CTGCATCAGCAGTTTGAATGTATAAAGAGCAGGTAAAGAAGATGGGAGAAGAATCACAG CAACAGCAAGAACAGAGGGTGATGCGCCAACCTGTGGTATCTGCCACAAAACAAAGTTT GCTGATGGATGTGGCCATAACTGTTTATATTGCCAAACAAAGTTCTGTGCTCGTTGTGGA GGTCGAGTGTATTACGCTCAACAAGGTTATGTGGGTATGTAATTTGTGCCGAAAAACAA CAAGAAATCCTCACTAAATCAGGAGCATGGTTTTATAATAGTGGATCTAATACCCACAG CAACCTGATCAAAAGGTTCTTCGAGGGCTAAGAAATGAGGAGGCACCTCAGGAGAAGAAA CCAAAACCTACATGAGCAGACCCAGTTTCCAGGACCCTCAGGTGACTTATCTGTACCTGCA GTGGAGAAAAAGTCGATCTCATGGGCTCACAAGACAGCATTCTATTAATAATGGGTGAGGC GTGAAGCATCACATTGCCAGTGACATAGCTTCAGACAGGAAAAGAAGCCCATCTGTGTCC AGAGATCAGAATAGAAGATACGACCAAGGGAAGAAAGAGAGGAATATTCACAGTATGCT ACTTCGGATACCGCAATGCCTAGATCTCCATCAGATTATGCTGATAGGCGATCTCAACAT GAACCTCAGTTTTATGAAGACTCTGATCATTAAAGTTATAGGGACTCCAACAGGAGAAGT CATAGGCATTCCAAAGAATATATTGTAGATGATGAGGATGTGAAAGCAGAGATGAATAC GAAAGGCAAAGGAGAGAGGAAGAGTACCAGTCACGCTACCGAAGTGATCCGAATTTGGCC CGTTATCCAGTAAAGCCACAACCCTATGAAGAACAATGCGGATCCATGCTGAAGTGTC CGAGCACGGCATGAGAGAAGGCATAGTGATGTTTCTTTGGCAAATGCTGATCTGGAAGAT TCCAGGATTTCTATGCTAAGGATGGATCGACCATCAAGGCAAAGATCTATATCAGAACGT AGAGCTGCCATGGAAAAATCAGCGATCTTATTCAATGGAAGAAGTCTGAGAGGCTCAGGGA CCAAGTTCTTATGCACAAAGGACCACAAACCATAGTCCTCCTACCCCAAGGAGGAGTCCA CTACCCATAGATAGACCAGACTTGAGGCGTACTGACTCACTACGGAACAGCACCCTTA GATCCTAGCTCTGCTGTAAAGAAAAACAAACCGGAAAAAATGGAACAATGTTAAGGAAT GATTCTCTCAGTTCAGACCAGTCAGAGTCAGTGAGACCTCCACCACCAAGCCTCATAAA TCAAAGAAAGGCGGTAAATGCGCCAGATTTCTGTTGAGCAGTTCAGAGGAGGAATTGGCT TCCACGCTGAATATACAAGTTGTGATGATGTTGAGATTGAAAGTGAGAGTGAAGTGAA AAAGGAGACATGGATTACAACCTGGTTGGATCATACGCTCTTGGCATAGCAGTGAGGCATCC CCAATGTCTTTGCACCCTGTAACCTGGCAACCATCTAAAGATGGAGATCGTTAATTGGT </pre>


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CGCATTTTATTAATAAGCGTCTAAAAGATGGAAGTGTACCTCGAGATTCAGGAGCAATG
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TACCAGCAGCTATTATCTTTGAAGAGAGTCCACAAGGAAAAGTTTACAGATCATCGTC
TGGGGAGATTATGGCCGATGGATCACAAATCTTTATGGGAGTGGCCAGATACTTTTA
GATGAAGTAGAGCTATCCAATATGGTGATCGGATGGTTCAAACCTTTCCACCTTCCTCC
CTAGTAGATCCAACCTTGGCCCCCTGACAAGAAGAGCTTCCAATCATCTCTGGAAGT
TCAACTGGACCTTCTTACTCTCGTTCA

Restriction Sites:

Please inquire

ACCN:

NM_001100117

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_001100117.1, NP_001093587.1</u>
RefSeq Size:	5592 bp
RefSeq ORF:	4050 bp
Locus ID:	9699
UniProt ID:	<u>Q9UQ26</u>
Cytogenetics:	8q22.3
Gene Summary:	The protein encoded by this gene is a presynaptic protein that interacts with RAB3, a protein important for normal neurotransmitter release. The encoded protein can also bind several other synaptic proteins, including UNC-13 homolog B, ELKS/Rab6-interacting/CAST family member 1, and synaptotagmin 1. This protein is involved in synaptic membrane exocytosis. Polymorphisms in this gene have been associated with degenerative lumbar scoliosis. [provided by RefSeq, Feb 2017] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).