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Product datasheet for MC229627

Rims2 (NM_001256383) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims2 (NM_001256383) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rims2
Synonyms:	2810036I15Rik; AW048769; mKIAA0751; Rab3ip2; RIM2; Rim2(+4A); Rim2(+40A); Rim2(+44A); Serg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229627 representing NM_001256383 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCGGCTCCGCTCGGGCCCCGGGGCCGCCCGGCTCCCACCCCGGCGGCCTCTCAACCTCCTCCGCAGC CCGAGATGCCGGACCTCAGCCACCTCACGGAAGAGGAGAGGAAAATCATCCTGGCTGTCATGGATCGTCA GAAGAAAGAAGAGGAGAAGGAGCAGTCCGTGCTCAAAAAGCTGCACCAACAATTTGAAATGTATAAGGAG CAAGTCAAGAAGATGGGAGAGGAATCGCAGCAGCAGCAAGAGCAGAAGGGTGATGCCCCGACCTGTGGCA TCTGCCACAAGACAAAATTTGCAGATGGATGCGGCCATAATTGTTCCTATTGCCAAACCAAGTTCTGTGC TCGATGTGGAGGTCGAGTGTCTTTACGCTCAAACAAGGTTATGTGGGTGTGTAATTTGTGCCGAAAACAA CAAGAAATCCTCACTAAATCAGGAGCATGGTTTTATAATAGTGGGTCTAACACACTGCAGCAACCTGATC AAAAGGTTCCTCGAGGGCTTCGAAATGAGGAAGCCCCTCAGGAGAAGAAAGCAAAACTACACGAGCAGCC CCAGTTCCAAGGAGCCCCAGGTGACTTATCAGTACCTGCAGTTGAGAAAGGCCGAGCTCATGGGCTCACA AGACAGGATACTATTAAAAATGGATCAGGAGTGAAGCACCAGATTGCCAGTGACATGCCTTCAGACAGAA AACGAAGTCCATCAGTGTCCAGGGATCAAAATCGAAGATACGAGCAAAGTGAAGAAAGAGAGGACTACTC ACAGTATGTTCCTTCAGATGGTACAATGCCAAGATCTCCTTCGGATTATGCTGATAGACGATCTCAGCGT GAGCCTCAATTTTATGAAGAACCTGGTCATTTAAATTACAGGGATTCTAACAGGAGAGGCCATAGACATT CCAAAGAGTATATTGTGGATGATGAAGATGTGGAGAGCAGAGATGAATATGAAAGACAAAGGAGAGAGGA GGAATACCAGGCACGCTACAGAAGTGATCCAAATCTGGCCCGGTATCCCGTAAAGCCACAACCCTACGAA GAACAAATGCGCATCCACGCTGAGGTGTCCAGGGCACGACATGAGAGAAGGCACAGTGATGTTTCTTTGG CAAACGCTGAACTAGAAGATTCCAGGATTTCTCTGCTAAGGATGGATAGACCATCAAGGCAAAGATCTGT ATCTGAACGTAGAGCTGCAATGGAAAACCAACGATCGTATTCAATGGAAAGAACTCGAGAGGCTCAGGGA CAAAGTTCTTATCCACAAAGGACCTCAAATCATAGTCCTCCCACCCCTCGGCGGAGCCCTATACCGCTTG ATAGACCAGACATGAGGCGCGCTGACTCCCTACGGAAACAGCACCACTTAGATCCCAGCTCTGCTGTGAG

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001256383
Insert Size:	4653 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001256383.1, NP_001243312.1
RefSeq Size:	7338 bp
RefSeq ORF:	4653 bp
Locus ID:	116838
Cytogenetics:	15 15.45 cM
Gene Summary:	Rab effector involved in exocytosis. May act as scaffold protein. Plays a role in dendrite formation by melanocytes (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform b which is shorter than isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.