

Product datasheet for MC224364

Rims1 (NM_001012623) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims1 (NM_001012623) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rims1
Synonyms:	C030033M19Rik; mKIAA0340; Rab3ip1; Rim; RIM1; RIM1a; RIM1alpha; Serg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224364 representing NM_001012623 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGTCCTCGGCCGTGGGGCCCCGAGGTCTCGCCACCCACGGTGCCTCCCCTATGCAAGAACTGCCCC
ACCTGAGCCACCTGACCGAGGAGGAGAGAACATTATCATGGCAGTGATGGACCGCAGAAGGAAGAGGA
GGAAAAAGAAGAGGCCATGCTCAAGTGTGTTGTCAGGGACATGGCGAAGCCTGCTGCCTGCAAAACCA
AGAAATGCTGAAAGCCAGCCCCATCAACCACCACTGAACATTTTCAGATGTGTCTGTGTTCCAGAAAGC
CAAGCAGCGAAGAGGGAGGCCAGACAGAACTGGAGATTGCATCAACAGTTTGAAGCTACAAGGAACA
AGTGAGAAAAATCGGAGAGGAAGCCAGGCGTTACCAGGGCGAGCACAAGATGATGCCCCGACGTGTGGA
ATCTGTATAAGACAAAGTTTGTGATGGATGTGGCCATCTCTGCTCCTATTGTCGCACCAAGTTCTGTG
CACGCTGTGGAGGCCGAGTGTCTCTGCGATCGAACAATGAGGACAAAGTGGTTATGTGGGTATGCAATTT
ATGTCGAAAGCAACAAGAGATATTAACGAAATCTGGAGCGTGGTCTTCGGAAGTGGTCTCAGCAGCCC
AGTCAAGATGGGACTCTGAGTGACACGGCTACAGGTGCTGGATCTGAGGTGCAAGAGAAAAGAAAGCTC
GGCTCCAAGAGCGATCAAGTCTCAGACGCCCTTGAGTACAGCAGCTGTCTCTTCCCAAGCACTGCTTC
CCATGGTGCACCACTGGACAGGAACAAAGGGCGGAGCCCTCACAGCAAGCCTTGGGTCTGAGCAGAAAG
CAGGCATCAAGGTCAAGAAGTGAGCCACCAAGGAAAAGGAAGAAGGCTCCAGGGCTTTCAGAGCAGAATG
GCAAGGGAGGCCAGAAGAGTGAGCGCAAACGTGTCCCCAAGTCTGTGGTGAACCCGGGGAAGGGACCCG
GGATGAACGGGAGAGGAAGGAGAGGCGGAAAACCCGAGGCTGGAGAAAGGGCGCTCTCAGGACTACCCG
GACCGGCTCGAGAAACCGGAGGATGGCAGGGTGGCTGAAGACGAAAAGCAGAGGAAGGAGGAGGGCG
TGTCACCGCCGAGTACACGAGCTGCGAGGACGTGGAGCTGGAGAGCGAGAGCGTGAAGCAGAAAGGTGA
CTTGACTACTGGTTGGATCCTGCCACGTGGCATAGCAGGAAAACGTGCCTATTAGTTCGCATCCTGTA
ACGTGGCAGCCATCTAAAGAGGGGACCGATTAATCGGCCGTGTTATTCTTAACAAAAGAACAACCATGC
CCAAAGAATCAGGTGCATTATTGGTCTCAAGGTGGTTGGAGGAAAAATGACGGACTTAGGGCGTCTGG
TGCTTTCATACCAAAGTAAAGAAGGTAGCCTGGCAGATGTTGTGCGACACCTAAGAGCAGGGGATGAA
GTTCTAGAGTGAATGTTAAACCCTGCCGGGAGCAACAACGAAGAAGTTTACAACATTATTTAGAAT



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CAAAATCAGAACCTCAAGTTGAAATTATTGTTTCAAGGCCTATTGGTGACATCCCCAGGATCCCTGAGAG
 TTCCCACCCTCTCTGGAGTCCAGTTCAAGTTCCTTTGAATCTCAGAAGATGGAAAGGCCTTCCATTTCT
 GTTATTCTCCAACCAGCCCTGGAGCTCTGAAAGATGCCCCACAAGTCTTACCAGGGCAACTCTCAGTGA
 AGCTGTGGTATGATAAGGTGGGGCACCAGCTGATTGTAATGTTCTACAAGCAACAGATCTACCCCTAG
 AGTAGATGGGCGTCCCAGAAATCCCTATGTA AAAATGATTTTCTCCAGATAGAAGCGACAAGAGTAAA
 AGAAGAACCAAAACGGTAAAGAACTTCTAGAGCCAAAATGGAATCAAACATTTGTCTACTCACACGTAC
 ATCGTCGAGATTTTCGAGAGCGAATGTTAGAAATTA CTGTGTGGGACCAGCCAAGAGTACAGGACGAGGA
 GAGTGAATTTCTAGGAGAGATCCCTCATAGAATTGGAAACAGCACTTTTAGATGATGAGCCCCATTGGTAT
 AA ACTGCAGACACATGATGAATCTTCACTACCTCTGCCTCAGCCATCACCGTTATGCCCAGGCGGCATA
 TCCACGGAGAAAGCTCCAGCAAAAAGCTACAAAGATCTCAGCGAATCAGTGATAGTGACATCTCAGATTA
 TGAGGTTGATGATGGTATTGGCGTAGTGCCTCCAGTGGGTTATAGAGCTAGTGCTAGAGAGAGTAAAGCC
 ACCACGTTAACAGTGCCAGAGCAGCAAAGAACCACACATCACCGCTCACGTTCCGTGTCTCTCATCGCG
 GCGATGATCAGGGAAGGCCTCGTTCACGTTTACCAAATGTGCCATTACAGAGGAGCTTAGATGAAATCCA
 TCCAACACGAAGGTCACGTTCTCCAACCCGACACCATGATGCCTCCCGAAGCCTGGCCGATCACAGATCA
 CGACATCGGAAAGTCAATATTCGTGAGAGCCAGACAGTGAAGCTTCTCATGCTGCCAGAGCAAAACGAG
 GACGAAGTGCAGAATGCCTACACATGACCAGTGAAGTGCAGCCCTCTCTTGACAGGGCTAGGAGTGC TAG
 TACCAACTGCTTGAGACCAGATACTAGTTTGCATTACCAGAAACGAGAAAGGCCTCCAGAAAGTCTGAA
 AGATCTAGCATCCAAAAACAGTCTAGGAAAGGCACAGCCTCTGATGCAGACAGGACGCACCAGACAAGGAA
 GCCCCACCAGTACCTCCAGCTGACACATCCTTTGGCAGTCGCCGCGGAAGACAGCTCCACAGGTGCC
 GGTCCGAAGCGGCAGTATAGAACAAGCGAGCTTAGTAGTGAGGAACGAACGAGACAGATGAAAAATGAAG
 GTACACCGATTTAAGCAGACAACAGGGTCTGGGTCTAGTCAAGAACTTGACCACGAGCAATACTCCAAGT
 ACAACATACATAAAGATCAGTACAGAAGCTGTGATAACCGCTCCGCCAAGTCATCAGATAGTGATGTCAG
 TGATGTGTCCGCAATTTCCAGAGCCAGCAGCAGCTCACGCCTCAGCAGCAAGCTTTATGTCAGAGCAG
 TCTGAGCGCCCCAGGGGAGGATCAGTTCAATTTACCCCAAAAATGCAAGGCAGACGGATGGGGACTTCAG
 GAAGAGCCATCATCAAGAGCACCAGTGTAAAGTGGAGAGATATATACACTGGAGCAATGACGGCAGCCA
 GTCGACACGGCCGTGGGTACCGTTGGAGCTGGTGGAAAGAAGCGGAGGTCCAGCCTGAGTGCCAAAGTG
 GTAGCCATTGTGTCTCGAAGAAGCAGAAGCACATCACAGCTCAGCCAGACAGAGTCCGGCCACAAGAAGT
 TAAAAAGCACCATTAGAGGAGTACGGAACGGGAATGGCGGCTGAAATGCGGAAGATGGTGAGACAGCC
 CAGCCGGGAGTCCACGGATGGCAGCATCAACAGTTATAGCTCAGAAGGAACTTAATATTTCTGGAGTT
 CGCGTGGGACCTGACAGTCAGTTAGTGTATTTCTTTGATGGACTGGGGCCAGCCAGCTTGTGCGCCGCC
 AAACCCTAGCCACCCAGCCATGGCGGATATCCAATCGGGATGGAGGATAAGAAGGGTCAGTTGGAGGT
 TGAGGTTATCAGAGCCCGAGCCTTACACAAAACTGGCTCCAATCTACACCTGCTCCCTATGTGAAA
 GTTTATCTTTTGGAAAATGGAGCCTGTATTGCCAAAAAGAAGACAAGAATTGCACGGAAAACCTCGATC
 CCTTGTATCAGCAGTCCCTGGTTTTGATGAAAGTCCACAGGGTAAAGTTCTTCCAGTGATTGTCTGGGG
 TGACTATGGAAGAATGGACCACAAATGCTTTATGGGTGTGGCTCAAATCTTGTGGAAAGAACTTGATCTG
 TCCAGCATGGTGATTGGATGGTATAAATGTTCCTCCATCCTCCCTGGTGGATCCACACTCACTCCCC
 TGACCCGCGGGCTTCCAATCATCACTGGAAAGTTCTGTGGGCTCCCTGCATCCGGTCA TAG

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-NotI

ACCN:

NM_001012623

Insert Size:

4125 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).

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:	<ol style="list-style-type: none">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_001012623.1, NP_001012641.1</u>
RefSeq Size:	4125 bp
RefSeq ORF:	4125 bp
Locus ID:	116837
UniProt ID:	<u>Q99NE5</u>
Cytogenetics:	1 A5
Gene Summary:	Rab effector involved in exocytosis (PubMed:11797009). May act as scaffold protein that regulates neurotransmitter release at the active zone. Essential for maintaining normal probability of neurotransmitter release and for regulating release during short-term synaptic plasticity (PubMed:11797009). Plays a role in dendrite formation by melanocytes (By similarity).[UniProtKB/Swiss-Prot Function]