

Product datasheet for MC224656

Rims2 (NM_053271) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims2 (NM_053271) 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:	>MC224656 representing NM_053271 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGGCTCCGCTCGGGCCCCGGGCGCCCGGCTCCCACCCGGCGGCCTCTCAACCTCCTCCGCAGC
 CCGAGATGCCGGACCTCAGCCACCTCACGGAAGAGGAGAGGAAAAATCATCCTGGCTGTATGGATCGTCA
 GAAGAAAGAAGAGGAGAAGGAGCAGTCCGTGCTCAAGATCAAAGAAGAACACAAAGCACAACCGACACAG
 TGGTTTCCCTTTAGTGGGATCACTGAACTGTAATAACGTTCTGCAGCCCCAGCAAAAACAACCAATG
 AGAAGGAGCCCCAGACAAAGCTGCACCAACAATTTGAAATGTATAAGGAGCAAGTCAAGAAGATGGGAGA
 GGAATCGCAGCAGCAGCAAGAGCAGAAGGGTGATGCCCCGACCTGTGGCATCTGCCACAAGACAAAATTT
 GCAGATGGATGCGGCCATAATTGTTCTATTGCCAAACCAAGTTCTGTGCTCGATGTGGAGGTGAGTGT
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 AGGAGCATGGTTTTATAATAGTGGGTCTAACACACTGCAGCAACCTGATCAAAAGTTTCCTCGAGGGCTT
 CGAAATGAGGAAGCCCCCTCAGGAGAAGAAAGCAAACTACACGAGCAGCCCCAGTTCCAAGGAGCCCCAG
 GTGACTTATCAGTACCTGCAGTTGAGAAAGGCCGAGCTCATGGGCTCACAAGACAGGATACTATTAATAA
 TGGATCAGGAGTGAAGCACCAGATTGCCAGTGACATGCCTTCAGACAGAAAACGAAGTCCATCAGTGTCC
 AGGGATCAAAATCGAAGATACGAGCAAAGTGAAGAAAGAGAGGACTACTCACAGTATGTTCTTCAGATG
 GTACAATGCCAAGATCTCCTTCGGATTATGCTGATAGACGATCTCAGCGTGAGCCTCAATTTTATGAAGA
 ACCTGGTCATTTAAATTACAGGGATTCTAACAGGAGAGGCCATAGACATTCCAAGAGTATATTGTGGAT
 GATGAAGATGTGGAGAGCAGAGATGAATATGAAAGACAAAGGAGAGAGGAGGAATACCAGGCACGCTACA
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 TCCAGGATTTCTGCTAAGGATGGATAGACCATCAAGGCAAAGATCTGTATCTGAACGTAGAGCTGCAA
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GACCTCAAATCATAGTCCTCCACCCCTCGGCGGAGCCCTATACCGCTTGATAGACCAGACATGAGGCGC
GCTGACTCCCTACGGAACAGCACCCTTAGATCCCAGCTCTGCTGTGAGGAAACGAAGCGAGAAAAA
TGGAAACCATGTTAAGGAATGATTCTTTGAGTTCAGACCAGTCCGAGTCAGTGAGGCCGCCCCACCAAG
GCCTCATAAATCCAAGAAAGGAGGTAAATGCGCCAGGTTTCACTGAGCAGCTCGGAGGAGGAGCTGGCA
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TGGGAGTGTACCTCGAGACTCAGGAGCAATGCTGGGCTTAAAGGTTGTAGGAGGAAAGATGACTGAATCA
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CGCACTGGTATAAGCTGCAGACCCATGATGTCTCTCATTGCCACTCCCTCGCCCTTCCCATATCTGCC
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AAAGCTCCACGTTGTGCGGTGCCAGAACAAGTCATGTCATCAATCATTGCTCACCATCAGGGTCTCCTCA
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CAGGGGACCGGAGGACAGTGTACTGGCCATTACAACACAATTAGCCGAATGGATAGACACCGTGTCA
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AGTGCTATGGATATAGAGGAGAGAAATCGCCAAATGAACTTAACAAATACAAACAGGTAGCCGGATCAG
ACCCAGACTGGAGCAAGATTACCATTCGAAGTATCGCTCAGGATGGGATCCACATAGAGGGGCAGATAC
TGTTTTCCACTAAATCCTCGGACAGTGATGTAAGTGATGTATCTGCGGTTTCAAGGACTAGTAGTGCTTCT
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TGGAGACATGTGCTCACTGGAGAAGATGACGGCAGCCAGTCCGACACTGCAGTGGGCGCCCTGGGTACC
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GCAGTGCTCTCAACTCAGCCAAACCGAAGGAGGAGGTAAAAAGTACGGAGCACTGTTCCAGAGAAGCAC
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AGCATGAACAGCTATAGCTCGGAAGGAAATCTGATCTTCCCTGGGGTCCGCTGGCCTCTGACAGCCAGT
TCAGTGATTTCTGGATGGCCTGGGCCCTGCTCAGCTAGTGGGACGCCAGACCCTGGCTACTCCTGCAAT
GGGTGACATTGAGGTGGGAATGATGGATAAAAAGGGACAGCTGGAGGTAGAAATCATCCGGGCGCGCGGC
CTTGTTGTTAAAACAGGTTCCAAGACACTGCCAGCACCCTATGTCAAGGTGTATCTGTTAGACAACGGAG
TCTGCATAGCCAAAAAGAAAACCAAGGTGGCGAGAAAGACCCTGGAGCCCTGTACCAGCAGCTCTTGTC
CTTCGAGGAGAGCCCCAGGGGAGGTTTACAGATCATTGTCTGGGAGATTATGGTCGTATGGATCAC
AAATCCTTTATGGGAGTGGCCAGATACTCTTAGATGAAGTGAAGTATCCAACATGGTGATTGGATGGT
TCAAACTCTTCCCTCCTCCTCCTAGTAGATCCAACCTTGGCACCTCTGACAAGAAGAGCTTCCAATC
GTCTCTGGAAGTTCTACCGGACCTTCTACTCTCGTTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053271

Insert Size:	4593 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:	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:	<u>NM_053271.2, NP_444501.1</u>
RefSeq Size:	7278 bp
RefSeq ORF:	4593 bp
Locus ID:	116838
UniProt ID:	<u>Q9EQZ7</u>
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 (3) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. It encodes isoform c which is shorter than isoform a.