

## Product datasheet for MR229005

### Rims2 (NM\_001256384) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rims2 (NM_001256384) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR229005 representing NM_001256384 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCCGGCAGGGCCTAGGGGGCACGGGTGCTGCAGGGCGCTCCATGCAGCGCTCTCAGAGCCGGAGCA  
GCCTCTGCCTCTTTGAGGCTCTAGCTGGCTATTTTCTTGTATGAACTCCCTGGAAGAAGATGAAGG  
AGAAGGAGGAGGTAAAAAGCTACGGAGCACTGTTTCAGAGAAGCACGGAGACCGGGCTAGCAGTGGAGATG  
AGGAACTGGATGACCCGCCAGGCCAGCCGGGAATCCACAGATGGCAGCATGAACAGCTATAGCTCGGAAG  
GAAATCTGATCTCCCTGGGTCCGCTGGCCTCTGACAGCCAGTTCAGTGATTTCTGGATGGCCTGGG  
CCCTGCTCAGCTAGTGGGACGCCAGACCCTGGCTACTCCTGCAATGGGTGACATTCAGGTGGGAATGATG  
GATAAAAAGGGACAGCTGGAGGTAGAAATCATCCGGGCGCGGCCCTTGTGGTAAAACCAGGTTCCAAGA  
CACTGCCAGCACCGTATGTCAAGGTGTATCTGTTAGACAACGGAGTCTGCATAGCCAAAAAGAAAACCAA  
GGTGGCGAGAAAGACCCTGGAGCCCTGTACCAGCAGCTTTGTCTTCGAGGAGAGCCCCAGGGGAGG  
GTGTTACAGATCATTGTCTGGGAGATTATGGTCGTATGGATCACAATCCTTTATGGGAGTGGCCAGA  
TACTCTTAGATGAACTGGAATATCCAACATGGTGATTGGATGGTTCAAACCTCTCCCTCCTTCCCT  
AGTAGATCCAACCTTGGCACCTCTGACAAGAAGAGCTTCCAATCGTCTCTGGAAAGTTCTACCGGACCT  
TCTTACTCTCGTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229005 representing NM\_001256384  
 Red=Cloning site Green=Tags(s)

MGRQGLGGTGAAGRSMQRSQSRSSLASAFEALAGYFPCMNSLEEDEGEGGGKLRSTVQRSTETGLAVEM  
 RNWMTRQASRESTDGSMSYSSEGNLIFPGVRLASDSQFSDFLDGLGPAQLVGRQTLATPAMGDIQVGM  
 DKKGQLEVEIIRARGLVVKPGSKTLPAPYVKVYLLDNGVCIAKKTKVARKTLEPLYQQLSFEESSPQGR  
 VLQIIVWGDYGRMDHKSFMGVAQILLDELELSNMVIGWFKLFPPSSLVDPTLAPLTRRASQSSLESSTGP  
 SYRSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001256384

**ORF Size:** 855 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001256384.1](#), [NP\\_001243313.1](#)

**RefSeq Size:** 3740 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 116838

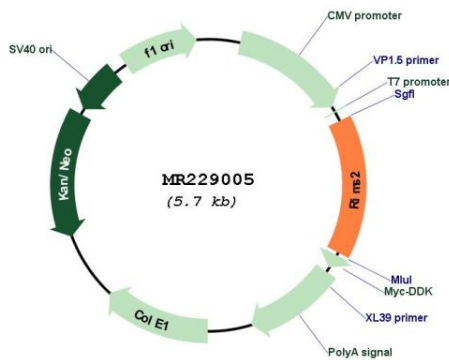
**UniProt ID:** [Q9EQZ7](#)

**Cytogenetics:** 15 15.45 cM

**MW:** 31.4 kDa

**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]

**Product images:**



Circular map for MR229005