

Product datasheet for **RR200224**

Rims2 (NM_145881) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims2 (NM_145881) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rims2
Synonyms:	Nim2; Rim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200224 representing NM_145881 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGGCCGGCAGGGCCTGGGGGGCACGGGTGCTGCGGGGCGCTCCATGCAGCGCTCTCAGAGCCGGAGCA
GCCTCTCCGCCTCCTTTGAGGCTCTAGCTGGCTATTTTCCTTGTATGAACTCCCTGGAAGAAGATGAAGG
AGAAGGAGGAGGTAAAAAGCTACGCAGCACTGTCCAGAGAAGCACGGAGACCGGGCTAGCAGTGGAGATG
AGAACTGGATGACAAGACAGGCCAGCCGGAATCCACGGATGGCAGCATGAACAGTTACAGCTCAGAAG
GAAATCTGATCTTTCCTGGGGTCCGCCTGACAGCCAGTTCAGCGATTTCTTGATGGTCTGGG
CCCTGCTCAGCTAGTGGGACGCCAGACCTGGCGACTCCTGCAATGGGTGACATTAGGTGGGGATGATG
GATAAGAAGGGACAGCTGGAGGTAGAGATCATCCGGGCTCGAGGCCTTGTAGTAAAACAGGTTCCAAGA
CACTGCCAGCACCATATGTCAAGGTGTACCTGTTAGACAACGGAGTCTGCATAGCCAAAAAGAAAACCA
GGTGGCGAGAAAGACGCTGGAGCCCCTGTATCAGCAGCTGTTATCTTTCGAAGAGAGCCCCAGGGGAAG
GTGTTACAGATCATTGTCTGGGGAGATTATGGCCGCATGGATCACAATCCTTTATGGGAGTGGCCAGA
TACTCTTAGATGAACTGGAATATCCAACATGGTAATTGGATGGTTCAAACCTCTCCCTCCTTCTCCCT
AGTAGATCCAACCTTGGCACCTCTGACAAGAAGAGCTTCCAATCGTCTCTGGAAAGTTCTACTGGACCT
TCTTACTCTCGTTCA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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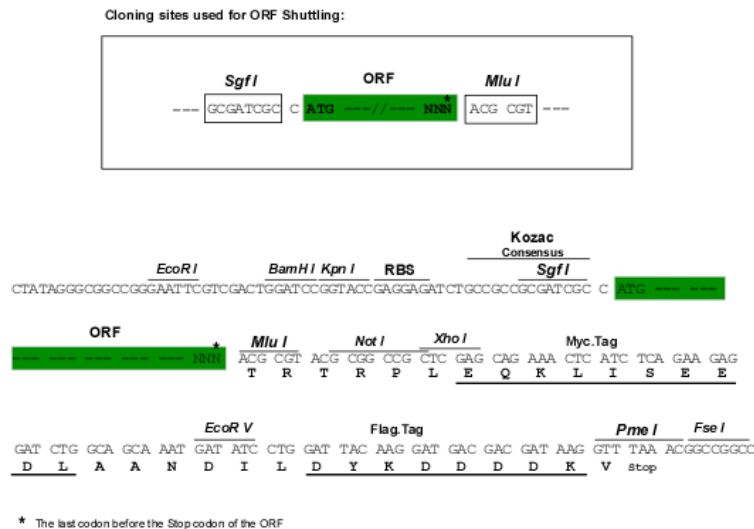
Protein Sequence: >RR200224 representing NM_145881
 Red=Cloning site Green=Tags(s)

MGRQGLGGTGAAGRSMQRSQSRSSLASFEALAGYFPCMNSLEEDEGEGGGKKLRSTVQRSTETGLAVEM
 RNWMTRQASRESTDGSMSYSSEGNLIFPGVRLASDSQFSDFLDGLGPAQLVGRQTLATPAMGDIQVGM
 DKKGQLEVEIIRARGLVVKPGSKTLPAPYVKVYLLDNGVCIAKKTKVARKTLEPLYQQLSFEESPQK
 VLQIIIVWGDYGRMDHKSFMGVAQILLDELELSNMVIGWFKLFPPSSLVDPTLAPLTRRASQSSLESSTGP
 SYSRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145881

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_145881.2](#), [NP_665888.1](#)

RefSeq Size: 1961 bp

RefSeq ORF: 858 bp

Locus ID: 116839

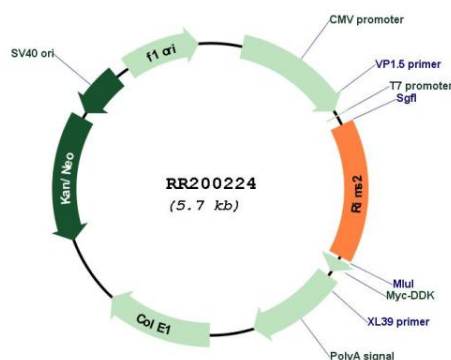
UniProt ID: [Q9JIS1](#)

Cytogenetics: 7q31

MW: 30.9 kDa

Gene Summary: synaptic protein important for normal neurotransmitter release; binds Rab3a [RGD, Feb 2006]

Product images:



Circular map for RR200224