

Product datasheet for **RN200223**

Rims2 (NM_053945) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rims2 (NM_053945) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rims2
Synonyms:	Nim2; Rim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200223 representing NM_053945 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCTCCACTCGGGCCCCGGGGCCCGCGGCTCCACCCCGCGGCTCTCAGCCTCCTCCGCAGC
CCGAGATGCCGGACCTCAGCCACCTCACGAAGAGGAGAGGAAAATCATCCAGGCTGTATGGATCGTCA
GAAGAAAGAAGAGGAGAAGGAGCAGTCCGTGCTCAAAAAGCTGCATCAACAATTTGAAATGTATAAGGAG
CAAGTCAAGAAAATGGGAGAGGAATCACAACAGCAGCAAGAGCAGAAGGGCGACGCCCGACCTGCGGCA
TCTGCCACAAGACAAAATTTGCAGATGGATGCGGCCATAACTGTTTCATATTGCCAAACCAAGTTCTGTGC
TCGTTGTGGAGGTCGAGTGTATTACGCTCAAACAAGTTATGTGGGTGTGTAATTTGTGCCGAAAACAA
CAAGAAATCCTCACTAAGTCGGGCGCGTGGTTTTACAATAGTGGGTCTAATACACCGCAGCAGCCTGATC
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GCAGTTCCAGGGACCCCCGGTGACTCATCAGTACCTGCAGTTGAGAGAGGTCGAGCTCATGGGCTCACA
AGACAGGATTCTATTAAGAATGGCTCAGGAATGAAGCACCAGATCGCCAGTGACATGCCTTCAGACAGAA
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GAACCTCAATTTTATGAAGAACCCTGATCATTTAAATTATAGGGATTCTAACAGGAGAGGCCATAGACATT
CCAAAGAGTATATTGTAGACGACGAAGATGTGGAGAGCAGAGATGAATATGAAAGACAAAGGAGAGAGGA
GGAGTACCAGGCACGCTACAGAAGTGATCCAAATTTGGCCCGGTATCCGGTAAAGCCACAACCCTATGAA
GAGCAATGCGGATCCACGCTGAAGTGTCCCGGCACGACGAGAGAAGGCACAGTGATGTTTCTTTGG
CAAATGCTGAAGTAGAAGATTCCAGGATTTCTCTGCTAAGGATGGATAGACCATCAAGGCAAGATCTGT
ATCTGAACGTAGAGCTGCAATGGAACACGCGATCGTATTCAATGGAAGAACTCGAGAAGCTCAGGGA
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ATAGACCAGAGCTGAGGCGTGCCGACTCCCTACGGAACAACACCACTTAGATCCCAGCTCTGCTGTAAG
GAAACGAAGCGAGAAAAATGGAACAATGTTGAGGAATGATTCTTTGAGTTTCAGACCAGTCTGAGTCA



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GTGAGGCCGCCCCACCAAGGCCTCATAAATCCAAGAAAGGAGGTAAAATGCGCCAGGTTTCACTGAGCA
GCTCAGAGGAGGAGTTGGCATCCACGCCTGAGTATACAAGCTGTGATGACGTGGAGATTGAAAGCGAGAG
CGTAGGTGAGAAAGGAGACATGGAGTACAGCTGGTTGGAGCATGCGTCTTGGCATAGCAGTGAGGCATCC
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GAGACAGCTGCATGGAGAGAGCCCAACACGCAGGTTGCAAGGTCGAAGAGAATAAGTGACAGCGAAGTA
TCCGACTATGACTGCGAGGACGGCGTGGGAGTCGTGTCAGATTACCGACACGATGGCCGTGATCTTCAA
GCTCCACATTATCAGTGCCAGAACAAAGTCATGTCATCAAAACATTGCTCACCATCAGGCTCTCCTCATCG
AGTAGATGTTATAGGAAGGACTAGGTGATGGTCGCTAGTGTCCCTCCTCCTCAAAGGAATGTGGAACAG
GGGCTTCGAGGGACACGTGCTACTGGCCATTACAATACAATTAGCCGGATGGACAGACACCGTGTATGG
ACGACCATTACTCTTCAGAGAGAGACAGTCATTTTCTACTCTACCTCGCTCTCGACACAGGCAGACCAG
TGAGCATCACCAAGGGATGGAAGGGATTGTGAAGCAGCAGATAGACAGCCATATCACAGATCCAGATCA
ACAGAACAACGGCCTCTCCTAGAGCGGACCACCACCCGCTCCAGATCCTCTGAACGTGCTGATACAAACC
TCATGAGGTGATGCCTTCATTAATGACTGGAAGATCTGCCCTCCTTCACCTGCCTTATCGAGGTCTCA
CCCTCGCACTGGCTCTGTCCAGACCAGTCCGTCAAGTACTCCCGTAACAGGACGAAGGGGCCGAGCTT
CCTCAGCTCCACCAAAGGGAACACTGGAAGAATGATCAGAGAAGACATGGACTCCACAAGGAAGAGAA
ACTCAGGTGCTATGGATATAGAGGAGAGAAATCGCCAAATGAACTTAACAAATACAAACAGGTAGCCGG
ATCAGATCCCAGACTGGAACAAGATTACCATTCGAAGTATCGCTCAGGATGGGATCCACATAGAGGGGCA
GATACTGTTTCTACTAAATCCTCGACAGTGTGTAAGTGTATCTGCGGTTTCAAGGACTAGTAGTG
CTTCTCGTTTCAGCAGCAAGCTACATGTCCGTCCAATCAGAACGGCCGAGAGGAAACAGGAAAATCAG
TGTCTTTACGTCCAAAATGCAAAGCAGACAGATGGGTGTGTGCGGGAAGAGCATGGCCAAAAGCACCAGC
ATCAGTGGAGACATGTGCTCACTGGAGAAGAATGATGGCAGCCAGTGGACACTGCAAGTGGGCGCCCTGG
GCACCACTGGCAAGAAGCGGCGATCTAGCATTGGGGCCAAAATGGTAGCTATTGTTGGTCTCTCACGGAA
AAGTCGCAGTGCTCCCAACTCAGCCAAACCGAAGGAGGAGGTAAAAAGCTACGCAGCACTGTCCAGAGA
AGCACGGAGACCGGGCTAGCAGTGGAGATGAGGAACCTGGATGACAAGACAGGCCAGCCGGGAATCCACGG
ATGGCAGCATGAACAGTTACAGCTCAGAAGGAAATCTGATCTTTCCTGGGGTCCGCTGGCCTCTGACAG
CCAGTTCAGCGATTTCTTGTGATGGTCTGGGCCCTGCTCAGCTAGTGGGACGCCAGACCCTGGCGACTCCT
GCAATGGGTGACATTCAGGTGGGATGATGGATAAGAAGGGACAGCTGGAGGTAGAGATCATCCGGGCTC
GAGGCCTTGTAGTAAAACCAGGTTCCAAGACACTGCCAGCACCATATGTCAAGGTGTACCTGTTAGACAA
CGGAGTCTGCATAGCCAAAAGAAAACCAAGGTGGCGAGAAAGACGCTGGAGCCCTGTATCAGCAGCTG
TTATCTTTTGAAGAGAGCCCCAGGGGAAGGTGTTACAGATCATTGTCTGGGAGATTATGGCCGCATGG
ATCACAATCCTTTATGGGAGTGGCCAGATACTCTTAGATGAAGTGAAGTATCCAACATGGTAATTGG
ATGTTTCAAACCTTCCCTCCTCCTCCTAGTAGATCCAACCTTGGCACCTCTGACAAGAAGAGCTTCC
CAATCGTCTCTGGAAGTTCTACTGGACCTTCTACTCTCGTTCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053945

Insert Size:	4668 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.
RefSeq:	<u>NM_053945.2</u> , <u>NP_446397.1</u>
RefSeq Size:	5639 bp
RefSeq ORF:	4668 bp
Locus ID:	116839
UniProt ID:	<u>Q9JIS1</u>
Cytogenetics:	7q31
Gene Summary:	synaptic protein important for normal neurotransmitter release; binds Rab3a [RGD, Feb 2006]