

## Product datasheet for RN205684

### Rims1 (NM\_052829) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rims1 (NM_052829) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rims1
Synonyms:	Rim1; RIM1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205684 representing NM_052829 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGTCCTCGGCCGTGGGGCCCCGAGGTCTCGCCACCCACGGTGCCTCCCCCTATGCAAGAAGTCCCCG  
ACCTGAGCCACCTGACCGAGGAGGAGGAACATTATCATGGCAGTGATGGACCGCAGAAGGAAGAGGA  
GGAAAAAGAAGAGGCCATGCTCAAGTGTGTTCAGGGACATGGCGAAGCCTGCTGCCTGCAAAACACCA  
AGAAATGCTGAAAGCCAGCCCCATCAACCACCACTGAACATTTTCAGATGTGTCTGTGTCCAGAAAGC  
CAAGCAGCGAAGAGGGAGGCCAGAAAGAGACTGGAGATTGCATCAACAGTTTGAAGCTACAAGGAGCA  
AGTGAGAAAAATCGGAGAGGAAGCGAGGCGTTACCAGGGCGAGCAAGGATGATGCCCCGACGTGTGGA  
ATCTGTCATAAGACAAAGTTTGTGTGATGGATGTGGCCATCTCTGCTCCTATTGTGCGACCAAGTTCTGTG  
CACGCTGCGGAGGCCGTGTGTCTCTGCGATCGAACAATGAGGACAAAGTGTTATGTGGGTATGCAATTT  
ATGTCGAAAGCAACAAGAAATCTTAACGAAATCTGGAGCGTGGTCTTTTGAAGTGGCCCTCAGCAGCCT  
AGTCAAGATGGGACTCTGAGTGACACGGCCACAGGTGCTGGATCTGAGGTGCCAAGAGAAAAGAAAGCAA  
GGCTCCAAGAGCGATCAAGGTCTCAGACGCCCTTGAGTACAGCAGCTGTCTCTTCCCAAGACACTGCTAC  
CCCCGGTGCACCGTTGCACAGGAACAAGGGGCTGAGCCCTCACAGCAAGCCTTGGGTCCCTGAACAGAAG  
CAGGCATCAAGATCAAGAAGCGAGCCACCGAGGAAAAGGAAGAAGGCTCCAGGGCTTTCAGAGCAGAATG  
GCAAGGGAGGCCAGAAGAGCGAGCGCAAACGTGTCCCCAAGTCTGTGGTGAACCCGGGGAAGGGATCGC  
GGATGAGAGGGAGAGGAAAGAGAGGGCGGAAACCCGAGGTTGGAGAAAGGGCGCTCCCAGGACTACTCA  
GACCGGCTGAGAAACCGGACAATGGCAGGGTGGCGGAAGACCAGAAGCAGAGGAAGGAGGAGGAGTACC  
AGACTAGTACCAGCGACCCCTAACCTGGCTCGTACCCGGTGAAGGCGCCGCCAGAGGAGCAGCAGAT  
GCGCATGCACGCCGGGTGTCCGAGCGAGGCACGAGCGGCCACAGCGACGTGGCGCTCCCGCACACC  
GAGGCAGCTGCCGCCGCGCGGCTGAGGCCACGGCGGCAAGCGCGCGCCGCCACCGCCAGGGTCTCTC  
CCCCGGAGTCCCCGCGGCACGCGCGGGCGGCCAGCCTCCCACCGAGCACGGGCCACCGCCGCGCGG  
GCCAGCCCCGGTCCCGCAGAGCCACCCGAGCCGCGCTCCCCGAGCCGCTCCGTAAGCAGGGCCGCGCTG  
GACCCGGGCTCGGCCGTGCTTCTGCGCAAGGCCAAGCGCGAGAAGGGGAGAGCATGCTGCGGAACGACT



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CGCTGAGCTCCGATCAGTCCGAGTCCGTGCGGCCATCCCCGCCAAGCCTCACCGGCCAAGCGGGGAGG  
 CAAGAGACGTGATGTCGGTGAGCAGCTCGGAGGAGGAGGCGTGTCCACACCGGAGTACACGAGCTGC  
 GAGGACGTGGAGCTGGAGAGCGAGAGCGTGAGCGAGAAAGGTGACTTGGATTACTACTGGTTGGATCCCC  
 CCACGTGGCACAGCAGGGAAACGTGCGCTATCAGTTCGCATCCTGTAACGTGGCAGCCGTCTAAAGAGGG  
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 GGTCTGAAGGTGGTTGGAGAAAAATGACGGACTTAGGGCGCCTTGGTGTTCATCACCAAAGTAAAGA  
 AGGGCAGCCTGGCAGACGTGCTGGACACCTAAGAGCAGGGGACGAAGTCTAGAGTGGAAATGGTAAACC  
 CCTGCCGGGAGCAACAAACGAAGAAGTTACAACATTATCTTAGAATCAAAATCAGAACCCTCAAGTTGAG  
 ATTATTGTTTCAAGGCCTATTGGTGACATCCCCAGGATCCCTGAGAGTCCCATCCTCCCTGGAGTCCA  
 GTTCAAGTTCCTTGAATCTCAGAAAATGGAAGGCCTTCTATTTCTGTATTTCTCAACCAGCCCTGG  
 AGCTCTGAAAGATGCCCCACAAGTCTTACCAGGGCAACTCTCAGTGAAGCTATGGTATGATAAAGTGGGG  
 CACCAGCTGATTGTAATGTTCTACAAGCAACAGATCTACCCCTAGAGTAGATGGCCGTCCCAGGAATC  
 CCTATGTA AAAATGATTTTTCTCCAGATAGAAGCGACAAAAGTAAAAGGAGAACCAAAACAGTAAAGAA  
 ACTTCTAGAGCCAAAATGGAACCAGACATTTGTCTACTCACACGTACATCGTAGAGATTTTCGAGAGCGA  
 ATGTTAGAGATTACCGTGTGGGACCAGCCGAGAGTACAGGACGAAGAGAGTGAATTTCTGGAGAGATCC  
 TCATAGAGTTGGAACAGCGCTTTTAGATGATGAGCCCATTTGGTATAAACTCCAGACACATGACGAATC  
 TTCACTACCTCTGCCTCAGCCATCACCGTTCATGCCAGGCGGCATATTCATGGAGAGAGCTCCAGCAAA  
 AAGCTACAAAAGATCTCAGCGAATCAGTGATAGTGACATCTCAGATTATGAGGTTGATGATGGTATTGGAG  
 TAGTGCCCTCCAGTGGGTTATAGAGCTAGTGCTAGAGAGAGTAAAGCAACCACGTTAACAGTGCCAGAGCA  
 ACAAAGAACTACACATCACCGCTCACGTTCCGTGTCTCCTCATCGCGGCATGATCAGGGAAGGCCTCGT  
 TCACGTTTACCAAATGTGCCATTACAGAGGAGCTTAGATGAAATTCATCCAACACGAAGTCCAGTTCTC  
 CAACCCGACACCATGATGCCTCCCGAAGCCCGCCGATCACAGATCCAGACATGTGAAAAGTCAATATTC  
 GTCAGAGCCAGACAGTGAAGTCTCTGCTGCCAGAGCAAAACGAGGACGAAGTCCAGAAAAGTCAATATTC  
 ATGACCACTGAACTGCAGCCCTCTCTTGACAGGGCTAGGAGTGCTAGTACCAACTGCTTGAGACCAGATA  
 CTAGTTTGCAATCACCAAGACGAAAGGCACTCCAGAAAAGTCTGAAAGATGTAGCATCCAAAAACAGTC  
 TAGGAAAGGCACAGCCTCTGATGCAGACAGAACGCACCGACAAGGAAGCCCAACCCAGTCTCCTCCAGCA  
 GACACATCCTTCGGCAGTCGCGGTGGAAGACAGCTCCCACAGGTGCCAGTTCGAAGCGGCAGTATAGAAC  
 AAGCAAGCTTAGTAGTGGAGGAGCGAACGAGACAGATGAAAGTGAAGTTCACCGATTTAAGCAGACAAC  
 AGGGTCTGGGTCTAGTCAAGAACTTGACCACGAGCAATACTCCAAGTACAACATACATAAAGATCAGTAC  
 AGAAGCTGTGATAACCGCTCTGCCAAGTCTTCCAGATAGTATGTCAGTGTGTCAGTGTGTCGCCCATTTCCAGAG  
 CCAGCAGTACCTCACGCCTCAGCAGCACAAGCTTTATGTCAGAGCAGTCTGAGCGCCCCAGGGGTAGGAT  
 CAGTTCAATTTACCCCAAAAATGCAAGGCAGACGGATGGGGACTTCAGGAAGAGCCATCATCAAGAGCACC  
 AGTGTAAGTGGAGAGATATATACTGGAACGTAATGACGGTAGCCAGTCCGGACACGGCCGTAGGTACCG  
 TCGGAGCCGGTGGAAAGAAACGAAGATCCAGCCTGAGCGCCAAAGTGGTAGCCATTGTGTCTCGAAGAAG  
 CAGGAGCACGTACAGCTCAGCCAGACAGAGTCCGGCCACAAGAAGTTGAAAAGCACCATCCAGAGGAGT  
 ACGGAAACAGGAATGGCAGCTGAAATGCGGAAGATGGTGAAGACAGCCGAGCCGGGAGTCCACGGATGGCA  
 GCATCAACAGTTATAGCTCGGAAGGAACTTGATTTTCTGGAGTTCGAGTAGGACCCGACAGTCAAGT  
 CAGTGATTTCTTGGTGGGTTGGGACCAGCGCAGCTCGTTGGCCGTGAGACGCTCGCCACCCCGGCCATG  
 GCGGATATCCAAATCGGGATGGAGGATAAGAAGGGTCAGTTGGAGGTTGAGGTTATCAGAGCCCGGAGCC  
 TTACACAAAAACCTGGTTCCAAATCTACACCCGCTCCCTATGTGAAAGTATATCTTTTGGAAAATGGAGC  
 CTGTATTGCCAAAAAGACAAGAATTGCACGAAAACTCTCGATCCTTTGTATCAGCAGTCCCTGGTT  
 TTTGATGAAAGTCCACAGGGTAAAGTCTTCCAGGTGATTGTCTGGGGTACTATGGAAGAATGGACCACA  
 AATGCTTTATGGGTGTGGCTCAAATCTTGTGGAAGAAGTCTATCCAGCATGGTATTGGATGGTA  
 TAAATTGTTCCCTCCGTCCTCACTGGTGGATCCACTCTCGCTCCCTGACCCGCGGGCTTCCAATCA  
 TCTCTGAAAAGTTCGTCGGGCCTCCCTGCATCCGGTCA**TAG**

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM\_052829

<b>Insert Size:</b>	4662 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_052829.1</a></u> , <u><a href="#">NP_439894.1</a></u>
<b>RefSeq Size:</b>	5655 bp
<b>RefSeq ORF:</b>	4662 bp
<b>Locus ID:</b>	84556
<b>UniProt ID:</b>	<u><a href="#">Q9JIR4</a></u>
<b>Cytogenetics:</b>	9q13
<b>Gene Summary:</b>	interacts with synaptic GTP-binding protein Rab3s; may regulate exocytosis at the synapse [RGD, Feb 2006]