

Product datasheet for **RN200211**

Rtn3 (NM_080909) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn3 (NM_080909) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rtn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN200211 representing NM_080909
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGTCATCGGCGCCACTCAGTCTCCGTCAGTCTCCTCGTCGCTCCTCCGGGCGGAGCCGTC
 CGCTTGGCGGCGGCGGCGGAGCCCTGGAGCCTGCCCGCCCTGGGGCGGAAGAGCTGCGGCTCCTCCTG
 TGGCGTGGGATTGAGCTCTCTTTGCTCTGATGAGCCACCATCAAAAATTGACTTCCTCCTTTCTTTCA
 TCTTCTGAAATATAAACCTGACCCTACAACACCACTTGAAGTGAAACATTAGGCAGCCATCTGTAG
 CTAAGACGGAAGATCCCTTGGTTCTTAGATAAGAAAACCTGGACTCACCTCAGGGGACCAACA
 GGACAGAGTAGACTCCGGTTTCTCTTGACGCTGACATTCCTTGACGCCACCCTTCTATTCCAGACAGT
 TTCCAGAACACCTACTTTTCTTCAAAGGAACTGATCCAACAGAAGAGTGGGTAGTTAAAAACCAAG
 AACCAAGAACCAAGTGAAGTCCAAGTGGAGAGGACAGAAGTGCAGTGGATCTTGGGCAGCGTAAGGC
 AGAACACATTTGTACACATTCCTTGTCTCCATCTGAACCTGCAGTAGCCAGTGTAGAAAAAGATTCTCT
 GAGTACCATTGAAAGTAAATTGACAAAGCAACATTTGACAGAGAATTTAAAGATTTGTATAAGGAAA
 GCACAGATGATTTGGGTGGCTGGGCAGCTCACGGTGACAGAGAATCCCCAGCAGATTTATTGAAATGAA
 TGACAAAGTGTTCCTGAGAAAATAAGAGGCAGGGCGTTACCCATCCTCTGCACTGCTCGGTAGACAA
 TTCTCACACACTACAGCAGCACTGGAAGAAGTGTCTAGATGTGTGAATGATATGCATAACTTTACTAATG
 AAATACTGACTTGGGACTTAGATCCCCAAGCAAAAACACAGGCGGACAAATCACCTTGACCACAGAAA
 TACAGGACTAGACAGGAGTGAACATCGCTCAGAAATCCAGTTATAAATCTTAAAAACAAGCCCTCAACAG
 AAAATGCCTGTATGTTCTTTAATGGGAGCACTCCCATTAAGTACTAGATCCACAGGTGACTGGACAGAAACAT
 TTACAGAAGGAAAACCTGTAAAAGGCTACCTCAGCTCCACAAAAGAAGCTGGTGGCAAAGGTGTACCAGA
 CAGTTCTCAGCCTATCTCAGGCTCTGGAGCAGCCACAGTGGAAAGTGAATTTACCTGACCTGAGGGGTACC
 TGGCCTAACTCTGTGCTAGGGGAAGTACACAGAGTTGATAGTTCTGGGAATCTGATGACACAGTAAATAG
 AGGACACCACAGAAAATCCCTCAGTTAAGAACAACAAAGTTTTGCCAGAAAAATCTGACTCCCTTCCAAG
 TGCTGCTGTAAAAAACAAGTGAAGGGAAAAACAAGAGACTACCAGTCAAGAACTGTGAGGAGTGAATG
 TATGAAAACCTGAGCAGCAGCAGGCCATGCAGAACTCCTACTCAGAGGAGTCTGGAAGGTGAGATGT
 CTCCACAAGTACCTAATATGCTGAATGAAGTACACCTGAAAATCTTGTATGACTGACACAACCAGAGT
 TTGCTCAGCAGCACCTCCAAGTGTCTTAGTGAGACTGGATTCTCACTAACTGTGCCAGCTTCTGCCAAG
 TCAGAATCTTTGCTTGGAAAAATGTTGAAGATACAGATGGTTCTCTCCAGAGGACTTGATGGCTGCC
 TCACAGGAACTGAGGAGAAGGGGACAGTGGATAAAGAGAAAGGTGATGTTTTGGAAGCAGTGTAGAGAA
 GATAGCAAACGTTAAAAACACTTTGCTGTGGAACCTTGCATGAAAATAAGCTAAGTAGTTCTGAAACC
 AAAAATACTAAAAGCAAATACAGTGAACACAGCAGAGAAAACAATGGAGGTGCCCAAGGTGTCTTCCG
 ACTTAGAGCAGGAGCAGCTCACCTTAGAGCCATTAAGAATTAGGGGCTAAGCAGGTGCAGGCTGAAAAG
 AATGTCTCCTGGAGGAAAACCAAGCGAACCTTGTATCCACAGTCTGGGCCACAGAATTCATCTGACATC
 CTAGAACACAGATATCACAACCTGGATCTGATCTTGGGATCCCAAAAAGCCTACTATCATCAAAGACA
 CTAGAATAGATTCTATTTCCAGCCTTACCAAGACTGAAACAGTTAACAAGCATGTTCTAGCAAGACTTCT
 CAGTGAATTTCCAGTGCATGATCTGATTTTCTGGCGAGATGTGAAGAAGACTGGGTTTGTCTTTGGCACC
 ACGCTGATCATGCTGCTCTCTGCGAGCTTTCAGTGTTATCAGTGTGGTCTCTTACCTCATCTGCTC
 TACTCTGTCCACATCAGCTTACAGAGTCTACAAGTCTGTGATCCAAGCTGTGCAGAAGTCAAGAAGG
 ACATCCATTCAAGGCTACCTGGATGTGGACATTACACTGTCCTCAGAAGCTTCCACAGCTACATGAAT
 GCTGCAATGGTGCATGTCAACAAGGCCCTCAAACCTCATTATTCGCTCTTTCTGGTAGAAGACTGGTTG
 ACTCCTTGAAGCTGGCTGTCTTCTCATGTGGCTGATGACCTACGTCGGTGTGTTTTAACGGAAATACCT
 TCTGATTTCCGCGAGCTGCTGGTTTTCCAGCGTCCAATTGTCTATGAGAAGTAAAGACACAGATTGAC
 CACTATGTTGGGATTGCCCGGATCAGACCAAGTCAATTGTTGAAAAGATCCAAGCAAAGCTTCTGGAA
 TCGCCAAAAAAAAGGCAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_080909
Insert Size:	2823 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:	<ol style="list-style-type: none">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_080909.3 , NP_543185.2
RefSeq Size:	4926 bp
RefSeq ORF:	2823 bp
Locus ID:	140945
UniProt ID:	Q6RJR6
Cytogenetics:	1q43
Gene Summary:	<p>This gene encodes a member of the reticulon family, a large group of membrane-bound proteins that primarily localize to the endoplasmic reticulum with a small subpopulation at the cell surface. These proteins play roles in endocytosis, exocytosis, trafficking and neuronal outgrowth. Proteins belonging to this family are characterized by a carboxy-terminal reticulon homology domain that consists of a small hydrophilic loop flanked by hydrophobic regions. In rat, this protein has been shown to interact with two members of the synaptic adhesion-like molecule family, suggesting that it may function in trafficking of these proteins. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A).</p>