

Product datasheet for RN200210

Rtn3 (NM_001009953) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rtn3 (NM_001009953) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Rtn3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN200210 representing NM_001009953
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGAGTCATCGCGGCCACTCAGTCTCCGTCAGTCTCCTCGTCGTCCTCCGGGGCCGAGCCGTC
 CGCTTGGCGGGCGCGGGAGCCCTGGAGCCTGCCCGCCCTGGGGGCGAAGAGCTGCGGCTCCTCCTG
 TGCGGTGCATGATCTGATTTTCTGGCGAGATGTGAAGAAGACTGGGTTTGTCTTTGGCACCAGCTGATC
 ATGCTGCTCTCTGGCAGCTTTCAGTGTATCAGTGTGGTCTCTTACCTCATCCTGGCTCTACTCTCTG
 TCACCATCAGCTTCAGAGTCTACAAGTCTGTCATCCAAGCTGTGCAGAAGTCAGAAGAAGGACATCCATT
 CAAGGCCACCTGGATGTGGACATTACACTGTCCTCAGAAGCTTCCACAGCTACATGAATGCTGCAATG
 GTGCATGTCAACAAGGCCCTCAAATCATTATTCGTCTCTTTCTGGTAGAAGACTTGTTGACTCCTTGA
 AGCTGGCTGTCTCATGTGGCTGATGACCTACGTCGGTGTGTTTTAACGGAATTACCCTTCTGATTCT
 CGCCGAGCTGCTGGTTTTAGCGTCCCAATTGTCTATGAGAAGTATAAGACACAGATTGACCACTATGTT
 GGGATTGCCCGGATCAGACCAAGTCAATTGTTGAAAAGATCCAAGCAAAGCTTCTGGAATCGCCAAAA
 AAAAGGCAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_001009953
 Insert Size: 714 bp



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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_001009953.3 , NP_001009953.2
RefSeq Size:	2817 bp
RefSeq ORF:	714 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 (2) lacks an internal in-frame exon compared to variant 1. It encodes isoform A1, which is shorter than isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>