

Product datasheet for **MC226615**

Rtn3 (NM_001271487) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rtn3 (NM_001271487) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rtn3
Synonyms: RTN3-A1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226615 representing NM_001271487
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGTCGTCAGCGGCCACTCAGTCCCCGTAGTCTCCTCGTCGTCCTCCGGGGCCGAGCCGTCAG
CTCTCGGCGGCGGCGGGAGCCCTGGAGCCTGCCCGCCCTGGGGCGAAGAGCTGCGGCTCCTCGT
TGCGGATTCCTTTGTTTCTTCTCTTCCCTCAGCCTGTATCTATATTTTCGACCTCACAAGTGCACGAT
CTGATTTTCTGGCGAGATGTGAAGAAGACTGGGTTTGTCTTTGGCACCACACTGATCATGCTGCTCTCTC
TGGCAGCCTTCAGTGTTATCAGTGTGGTCTTTACCTCATCCTGGCTCTTCTCTGTCCACCATCAGCTT
CAGAGTCTATAAGTCTGTCAATCAAGCTGTGCAGAAGTCAGAAGAAGGACATCCATTCAAGGCCTACTTG
GATGTGGACATTACCCTGTCTTCAGAAGCTTCCACAACACATGAATGCTGCGATGGTGCATGTCAACA
AGGCCCTCAAACCTATTTCGTCTCTTCTGGTAGAAGACTTGGTTGACTCCTTGAAGCTGGCTGTCTT
CATGTGGCTGATGACCTATGTTGGTGTGTTTTAATGGAATTACCCTTCTGATTCTCGCCGAGCTGCTT
GTCTTCAGCGTCCCAATTGTCTATGAGAAGTATAAGACACAGATTGACCACTATGTTGGGATTGCCCGGG
ATCAGACCAAGTCAATTGTTGAAAAGATCCAAGCAAAGCTTCTGGAATCGCCAAAAAAAAGGCAGAATA
A

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271487
Insert Size: 771 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271487.1, NP_001258416.1</u>
RefSeq Size:	2914 bp
RefSeq ORF:	771 bp
Locus ID:	20168
UniProt ID:	<u>Q9ES97</u>
Cytogenetics:	19 A
Gene Summary:	<p>May be involved in membrane trafficking in the early secretory pathway. Inhibits BACE1 activity and amyloid precursor protein processing. May induce caspase-8 cascade and apoptosis. May favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress (By similarity). Induces the formation of endoplasmic reticulum tubules (PubMed:24262037).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6, also known as RTN3-B2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (6) is shorter than isoform 1.</p>