

Product datasheet for **MC228563**

Rtn3 (NM_001271486) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn3 (NM_001271486) 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



[View online »](#)

Fully Sequenced ORF: >MC228563 representing NM_001271486
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGTCGTCAGCGGCCACTCAGTCCCCGTAGTCTCCTCGTCGCTCCTCCGGGCGGAGCCGTCAG
 CTCTCGGCGGCGGCGGGAGCCCTGGAGCCTGCCCGCCCTGGGGCGAAGAGCTGCGGCTCCTCGTG
 TGGGATTCTTTGTTTCTTCTCCTCCTCAGCCTGTATCTATATTTTCGACCTCACAAAGGTGACTGG
 ACAGAAGCATTTACAGAAGGAAAACCTGTAAGAGACTACCTCAGTCCACAAAAGAAGCTGGTGGCAACG
 GTGTGCCAGGCAGTTCTCAGTTCATTCTGAGCTGCCTGGCTCTATGCCTGAGAAATGGGTCTCAGGCTC
 TGGAGCAGCCACAGTGAAGTAACTTTACCTAACCTGAGGGTGCCTGGCCTAACCTGTGATGGGGAA
 GTCACAGAGGTTGATAGTTCTGGGGAATCTGATGACACAGTAATAGAGGACATCACAGAAAAACCTGACT
 CCCTTCCAAGTGCTGCTCAAAAAACAAGTAAAAGGGAAAATCAAAGAGACTCCAGTCTGAAACTGTGAG
 GAGTGAATGTGTAAAACCTCTGAGCAGCCGAGGCCAGCCAGAACTCCTACTCAGAAGAGTCTGGAA
 GGTGAGGTGGCTTCAAGTACCTAATACCTGAATGAAGTACACCTGAAAAGCTTGATATGACTAACA
 ACCCCAAAGTTTGTCTCAGCAGCACCTCCAAGTGTCTTAAAGAGACAGGATTCTACTAACTGTGCCAGC
 TTCTGCCAAGTTGGAATCTTTGCTTGGAAAAATGTTGAAGATACAGATGGTTTCTCCAGAGGACTTG
 ATGGCTGTCTCACAGGAGCCGAGGAGAAGGGATAGTGGATAAAGAGGAAGGTGATGTTTTGGAAGCAG
 TGTTAGAGAAGATAGCAGACTTTAAAAACACTTTGCCGTGGAACCTTTGCATGAAAGTGAGTAAGTGG
 TTCTGAAACAAAAATATTAAGCAAAATACAGTGAAGACAGCAGAGAAACAACCTGGAGGTGCCCTACG
 ATGTCTCCGACTTAGAGCAGGAGCAGCTCACCATCAGAGCCATTAAGAATTAGGAGAAAGGCAAGCTG
 AGAAGGTGACAGGATGAAGGAATATCTTCTGGAGAAAACCTCAAGCAAACCTTTGCTCCACAGTCTGGGCC
 ACAGAGTTCATCTGACATCCTAGAACACACAGATGTCAAAACTGGATCTGATCTTGAATTCCCAAAAAT
 CCTACTATCATCAAAAACACTAGAATAGATTCTATTTCCAGCCTTACCAAGACTGAAATGGTTAACAAGA
 ATGTTCTAGCAAGACTTCTCAGTGATTTCCAGTGCACGATCTGATTTTCTGGCGAGATGTGAAGAAGAC
 TGGGTTTGTCTTTGGCACCACACTGATCATGCTGCTCTCTGGCAGCCTTCAAGTGTATCAGTGTGGTC
 TCTTACCTCATCTGGCTCTTCTCTGTCCACATCAGCTTCAAGTCTATAAGTCTGTCATTCAAGCTG
 TGCAGAAGTCAGAAGAAGGACATCCATTCAAGGCCTACTGGATGTGGACATTACCCTGTCTTCAAGAC
 TTTCCACAACATCATGAATGCTGCGATGGTGCATGTCAACAAGGCCCTCAAACCTATTATTCGTCTCTT
 CTGGTAGAAGACTTGGTTGACTCCTTGAAGCTGGCTGTCTTTCATGTGGCTGATGACCTATGTTGGTCTG
 TTTTAAATGGAATTACCCTTCTGATTCTCGCCAGCTGCTTGTCTTCAAGGTCCCAATTGCTATAGAA
 GTATAAGACACAGATTGACCACTATGTTGGGATTGCCCGGATCAGACCAAGTCAATTGTTGAAAAGATC
 CAAGCAAAGCTTCTGGAATCGCCAAAAAAAAGGCAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271486

Insert Size: 1932 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).

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_001271486.1</u> , <u>NP_001258415.1</u>
RefSeq Size:	4075 bp
RefSeq ORF:	1932 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 (5) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (5) is shorter than isoform 1.</p>