

Product datasheet for MC210753

Rtn4 (NM_194053) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn4 (NM_194053) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtn4
Synonyms:	1110020G17Rik; AA407876; AA409940; AA960376; ASY; C130026I10Rik; mKIAA0886; mKIAA4153; NgA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210753 representing NM_194053 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGACATAGACCAGTCGTCGCTGGTCTCCTCGTCCGCGGATAGCCCGCCCCGGCCCCGCCCGCTT
TCAAGTACCAGTTCGTGACGGAGCCCGAGGACGAGGAGGACGAGGAAGACGAGGAGGAGGAGGAGGACGA
CGAGGACCTGGAGGAATTGGAGGTGCTGGAGAGGAAGCCCGCAGCCGGGTGTCCGCGGCTCCGGTGCC
CCCGCCCGCCACCGCTGCTGGACTTCAGCAGCGACTCGGTGCCCGCCCGCCCCGGGGCCGCTGCCGG
CCGCGCCCCCACCGCCCTGAGAGGCAGCCGCTCTGGGAACGCAGCCCCGCGGCGTCCGCGCCATCCCT
GCCGCCCCGCTGCCGAGTCCCTGCCCTCCAAGCTCCCGGAGGACGACGAGCCTCCAGCGCGGCTCCGGCG
CCAGCCGGCGCGAGCCCCCTAGCGGAGCCCGCCGCGCCCCCTTCCACGCGGCGCGCCCAAGCGCAGGG
GCTCGGGCTCAGTGGATGAGACCCTTTTGTCTTCTGCTGCATCTGAGCCTGTGATACCTCCTCTGC
AGTTGTTGACCTCCTGTACTGGAGACATTAAGAAGACTGGAGTGGTGTGGTGGCCAGCTTATTCCTG
CTGCTGTCTTGACAGTGTTCAGCATTGTCAGTGTAAACGGCTACATTGCCTTGGCCCTGCTCTCTGTGA
CTATCAGCTTTAGGATATATAAGGGTGTGATCCAAGCTATCCAGAAATCAGATGAAGGCCACCCATTAG
GGCATAATTTGGAATCTGAAGTTGCCATATCAGAGGAATTGGTTTCAAGAAATAGTAAATTCGCTCTTGGT
CATGTGAACAGCAATAAAAAGAAATTGAGGCGTCTCTTCTAGTTGATGATTTAGTTGATTCCCTGAAGT
TTGCAGTGTGATGTGGTATTTACTTACGTTGGTGCCTTGTCAATGGTTTGACACTACTGATTTTAGC
TCTGATCTCACTTTCAGTATTCTGTTATATATGAACGCATCAGGCGCAGATAGATCATTATCTAGGA
CTTGCAAAACAAGAGCGTTAAGGATGCCATGGCCAAAATCCAAGCAAAAATCCCTGGATTGAAGCGCAAAG
CAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_194053
Insert Size:	1128 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_194053.3 , NP_918942.1
RefSeq Size:	3804 bp
RefSeq ORF:	1128 bp
Locus ID:	68585
UniProt ID:	Q99P72
Cytogenetics:	11 A3.3
Gene Summary:	<p>Required to induce the formation and stabilization of endoplasmic reticulum (ER) tubules. They regulate membrane morphogenesis in the ER by promoting tubular ER production. They influence nuclear envelope expansion, nuclear pore complex formation and proper localization of inner nuclear membrane proteins. However each isoform have specific functions mainly depending on their tissue expression specificities.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two alternate exons in the coding region, compared to variant 1. The resulting protein (isoform B2) is shorter when it is compared to isoform A.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>