

## Product datasheet for MC210752

### Rtn4 (NM\_194052) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn4 (NM_194052) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtn4
Synonyms:	1110020G17Rik; AA407876; AA409940; AA960376; ASY; C130026I10Rik; mKIAA0886; mKIAA4153; NgA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210752 representing NM_194052 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAGACATAGACCAGTCGTCGCTGGTCTCCTCGTCCGCGGATAGCCCGCCCCGGCCCCCGCCGCTT  
TCAAGTACCAGTTCGTGACGGAGCCCGAGGACGAGGAGGACGAGGAAGACGAGGAGGAGGAGGAGGACGA  
CGAGGACCTGGAGGAATTGGAGGTGCTGGAGAGGAAGCCCGCAGCCGGGCTGTCCGCGGCTCCGGTGCC  
CCCGCCGCCGACCGCTGCTGGACTTCAGCAGCGACTCGGTGCCCGCCCGCCCGGGCCGCTGCCGG  
CCGCGCCCCCACCGCCCTGAGAGGCAGCCGTCTGGGAACGCAGCCCCGCGGCGTCCGCGCCATCCCT  
GCCCGCCGCTGCCGAGTCTGCCCTCCAAGCTCCCGGAGGACGACGAGCCTCCAGCGCGGCTCCGGCG  
CCAGCCGCGCGAGCCCCCTAGCGGAGCCCGCCCGCCCCCTTCCAGCGCGCCGCGCCCAAGCGCAGGG  
GCTCGGGCTCAGTGGTTGTTGACCTCCTGACTGGAGAGACATTAAGAAGACTGGAGTGGTGTGGTGC  
CAGCTTATTCCTGCTGCTGTCTCTGACAGTGTTCAGCATTGTGAGTGTAAACGGCTACATTGCCTGGCC  
CTGCTCTCTGTGACTATCAGCTTAGGATATATAAGGGTGTGATCCAAGCTATCCAGAAATCAGATGAAG  
GCCACCCATTCAGGGCATATTTGGAATCTGAAGTTGCCATATCAGAGGAATTGGTTCAGAAATATAGTAA  
TTCTGCTCTTGGTCATGTGAACAGCACAATAAAGAATTGAGGCGTCTCTTCTTAGTTGATGATTTAGTT  
GATTCCTGAAGTTTGCAGTGTGATGTGGTATTTACTTACGTTGGTGCCTTGTCAATGGTTTGACAC  
TACTGATTTTAGCTCTGATCTCACTCTTCAGTATTCCTGTTATATATGAACGGCATCAGGCGCAGATAGA  
TCATTATCTAGGACTTGCAAACAAGAGCGTTAAGGATGCCATGGCCAAAATCCAAGCAAAAATCCCTGGA  
TTGAAGCGCAAAGCAGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1630_b06.zip">https://cdn.origene.com/chromatograms/ja1630_b06.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_194052
<b>Insert Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_194052.3</a> , <a href="#">NP_918941.1</a>
<b>RefSeq Size:</b>	3747 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	68585
<b>UniProt ID:</b>	<a href="#">Q99P72</a>
<b>Cytogenetics:</b>	11 A3.3
<b>Gene Summary:</b>	<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 (2) lacks one alternate exon in the coding region, compared to variant 1. The resulting protein (isoform B1) 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>