

## Product datasheet for MR226118

### Rtn4 (NM\_194052) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn4 (NM_194052) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR226118 representing NM_194052 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGACATAGACCAGTCGTCGCTGGTCTCCTCGTCCGCGGATAGCCCGCCCCGGCCCCCGCCGCTT  
TCAAGTACCAGTTCGTGACGGAGCCCGAGGACGAGGAGGACGAGGAAGACGAGGAGGAGGAGGAGGACGA  
CGAGGACCTGGAGGAATTGGAGGTGCTGGAGAGGAAGCCCGCAGCCGGGCTGTCCGCGCTCCGGTGCC  
CCCGCCGCCGACCGCTGCTGGACTTCAGCAGCGACTCGGTGCCCGCCCGCCCGGGCCGCTGCCGG  
CCGCGCCCCCACCGCCCTGAGAGGCAGCCGTCTGGGAACGCAGCCCCGCGCGTCCGCGCCATCCCT  
GCCCGCCGCTGCCGAGTCTGCCCTCCAAGCTCCCGGAGGACGACGAGCCTCCAGCGCGCCTCCGGCG  
CCAGCCGCGCGAGCCCCCTAGCGGAGCCCGCCCGCCCCCTTCCAGCGCGCCGCGCCCAAGCGCAGGG  
GCTCGGGCTCAGTGGTTGTTGACCTCCTGACTGGAGAGACATTAAGAAGACTGGAGTGGTGTGGTGC  
CAGCTTATTCCTGCTGCTGTCTCTGACAGTGTTCAGCATTGTGAGTGAACGGCCTACATTGCCTGGCC  
CTGCTCTCTGTGACTATCAGCTTAGGATATATAAGGGTGTGATCCAAGCTATCCAGAAATCAGATGAAG  
GCCACCCATTCAGGGCATATTTGGAATCTGAAGTTGCCATATCAGAGGAATTGGTTCAGAAATATAGTAA  
TTCTGCTCTTGGTCATGTGAACAGCACAATAAAGAATTGAGGCGTCTCTTCTTAGTTGATGATTTAGTT  
GATTCCTGAAGTTTGCAGTGTGATGTGGTATTTACTACGTTGGTGCCTTGTCAATGGTTTGACAC  
TACTGATTTAGCTCTGATCTCACTCTTCAGTATTCCTGTTATATATGAACGGCATCAGGCGCAGATAGA  
TCATTATCTAGGACTTGCAAACAAGAGCGTTAAGGATGCCATGGCCAAAATCCAAGCAAAAATCCCTGGA  
TTGAAGCGCAAAGCAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

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\\_194052.3](#), [NP\\_918941.1](#)

**RefSeq Size:** 3747 bp

**RefSeq ORF:** 1071 bp

**Locus ID:** 68585

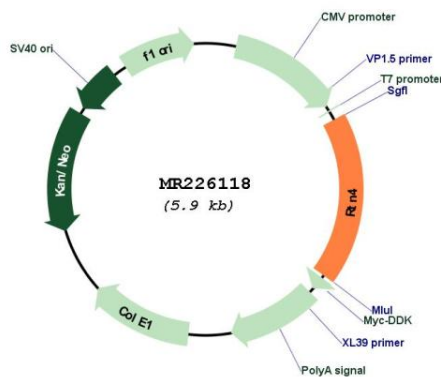
**UniProt ID:** [Q99P72](#)

**Cytogenetics:** 11 A3.3

**MW:** 38.9 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR226118