

## Product datasheet for MR201812

### 2010315L10Rik (BC038519) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 2010315L10Rik (BC038519) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 2010315L10Rik  
**Synonyms:** 2010315L10Rik; 5730403H22Rik; AV002165; D12; Ed2; p31; Q-snare  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201812 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCAGGCCGAGAAGTTGACCTCCTCTGAAAAAGCTCTAGCTAACCAAGTTCCTGGCTCCTGGCC  
 GCGTGCCACCACAGCCAAGGAGCGGGTGCCTGCCACCAAGACTGTACATTTGCAGTCTAGGGCACGTTA  
 CACCAGTGAGATGCGGAGTGAGCTGTTGGGCATGGAACCATCTGGAGAATGTGAGGTGGACATGAGGAAA  
 CGAGCCAGTGCGAAGGGTCCAGACCTGCAGATGAGAGGCAGTCAGCATCCGAGCTAGACCTCGTCTCC  
 AGAGGCACCAGGGCCTCCAGGAAAAGCTGGCTGAGGAGATGCTAGGCCTGGCCCGCAGCCTCAAGACCAA  
 CACACTGGCTGCCAGAGTGTCATCAAGAAGGACAATCAGACCCTGTACATTCCTCAAGATGGCAGAC  
 CAGAACCTGGAGAAGCTGAAGCTGGAGTCGGAGAGATTGGAGCAGCATGCACAGAAGTCAGTGAAGTGGC  
 TGCTGTGGCCATGCTCATTGTCGTGTGCTTCGTGTTTCATCAGCATGATCCTGTTTATCCGAATCATGCC  
 CAGGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201812 protein sequence  
 Red=Cloning site Green=Tags(s)

MLQAEKLTSSSEKALANQFLAPGRVPTTAKERVPATKTVHLQSRARYTSEMRSELLGMEPSGECEVDMRK  
 RASAKGSRPADERQSASELDLVLQRHQGLQEKLAEEMGLARSLKTNTLAAQSVIKKDNQTLSHSLKMD  
 QNLEKLESERLEQHAQKSVNWLLWAMLIVVCFVFISMILFIRIMPRLK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC038519

**ORF Size:** 570 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [BC038519](#), [AAH38519](#)

**RefSeq Size:** 933 bp

**RefSeq ORF:** 572 bp

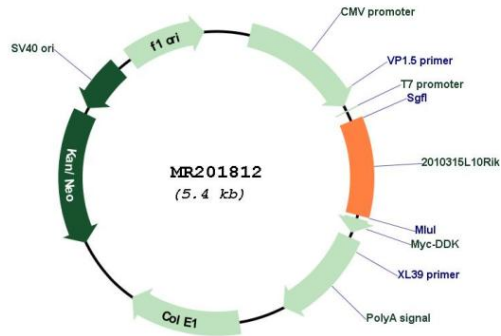
**Locus ID:** 67023

**Cytogenetics:** 8 B3.3

MW: 21.5 kDa

Gene Summary: SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR201812