

## Product datasheet for MR204350

### Stx18 (BC021362) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Stx18 (BC021362) Mouse Tagged ORF Clone                           |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Stx18   |
| Synonyms:                 | 1810035L21Rik; 4933425D03Rik; AU041562                            |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR204350 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGGTGGACATCACACTGCTCTTCCGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG  
GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCAAGGG  
AGACTTCTCCAGCCGGGCCGTAAGTGATTTCTCACATTGGGAAGCTGAGAGATTTCTCTGGAGCAC  
AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG  
ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTGAGAAGCAATCCAGCAACTCAGAACAGA  
AGGAGTGTGAAGCTTTACTCTGAACAGAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGAAAAGACTA  
TCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAAGCCCTCAGAACGTTT  
CCCAGGACTCTGAAGAAAGCCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCACAGCCCGA  
ACTGGGAACCTGGGGCGATGGCAAGGGTGAAGATGAGCTGTCTCCAGAAGAGATACAGATGTTTTGAACAA  
GAAAATCAGCGACTCATTGGTGAATGAACAGCTTGTGACGAAGTGAAGCAATCGAAGGGAAAGTGC  
TTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGTTTTGCAACAGGAAACTGAGATCGACAGCAT  
TCACCAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGGCCATCAA  
AACAATGCAGGTTCCGAGTGTGGATCCTCTTCTCCTCGTATGTGTTCTTTCTTCTCTTCTCTCG  
ACTGGTACGACAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204350 protein sequence  
Red=Cloning site Green=Tags(s)

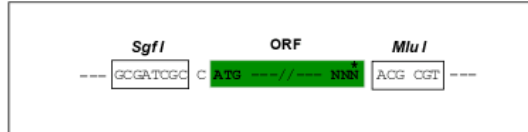
MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRSPRPKGFSSRAREVISHIGKLRDFLLEH  
 RKEYINAYSHTMSDYGRMTDTERDQIDQDAQIFIRTCSEAIQQLRTEGVCKLYSEQRAIRVKRVVDKRL  
 SKLEPEPHTKRKDDSTSEKAPQNVSQDSEGKPAEELPEKPLAESQPELGTWGDGKGEDELSPEEIQMFEQ  
 ENQRLIGEMNSLFDEVQRQIEGKVVESRLQEIFTEKVLQQETEIDSIHQLVVGATENIKEGNEDIREAIK  
 NNAGFRVWILFFLYMCSFLLFLDWYDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC021362

**ORF Size:** 924 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:** [BC021362](#), [AAH21362](#)

**RefSeq Size:** 1521 bp

**RefSeq ORF:** 926 bp

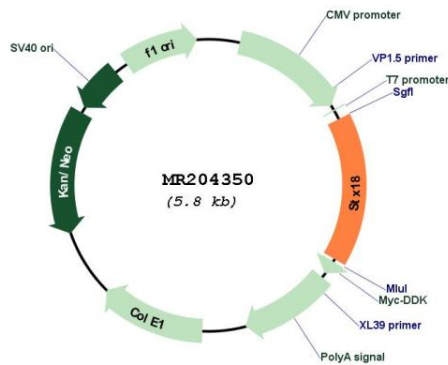
**Locus ID:** 71116

**Cytogenetics:** 5 B3

**MW:** 35.2 kDa

**Gene Summary:** Syntaxin 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 MR204350