

## Product datasheet for MR229147

### Stx18 (NM\_001289536) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx18 (NM\_001289536) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Stx18  
**Synonyms:** 1810035L21Rik; 4933425D03Rik; AU041562  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229147 representing NM\_001289536  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGTGGACATCACACTGCTCTTCCGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG  
GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCAAAGG  
AGACTTCTCCAGCCGGGCCCGTGAAGTGATTTCTCACATTGGGAAGCTGAGAGATTTCTCCTGGAGCAC  
AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG  
ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTCCAGAAGCAATCCATCAACTCAGAACAGA  
AGGAGTGTGTAAGCTTTACTCTGAACAAAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGAAAAGACTA  
TCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAGCCCTCAGAACGCTT  
CCCAGGACTCTGAAGGAAAGCCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCACAGCCGA  
ACTGGGAACCTGGGGCGATGGCAAGGGTGAAGATGAGCTGTCTCCAGAAGAGATACAGATGTTTGAACAA  
GAAAAATCAGCGACTCATTGGTGAATGAACAGCTTGTGTTGACGAAGTGAAGCAATCGAAGGAAAGTCCG  
TTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGTGTGCAACAGGAAACTGAGATCGACAGCAT  
TCACCAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGGCCATCAAA  
AACAATGCAGTTTCCGAGTGTGGATCCTCTTCTCCTCGTGATGTGTTCTTTCTTGTCTTCTCTCG  
ACTGGTATGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229147 representing NM\_001289536  
Red=Cloning site Green=Tags(s)

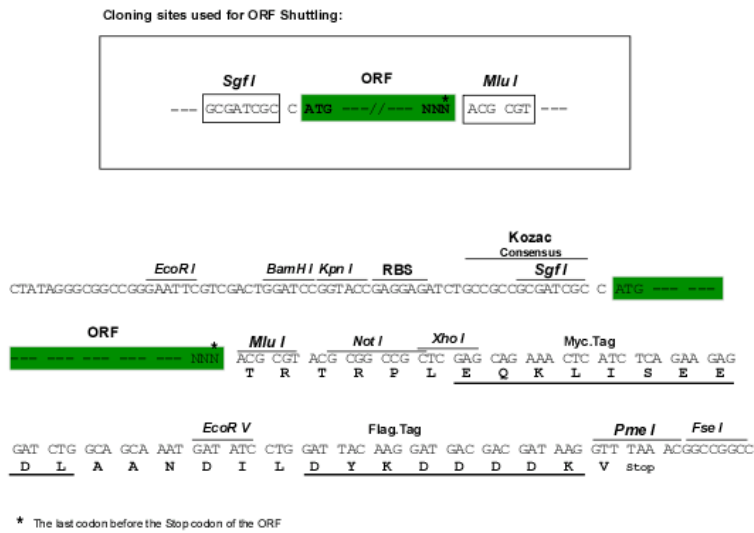
MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRSPRPKGFSSRAREVISHIGKLRDFLLEH  
 RKEYINAYSHTMSDYGRMTDTERDQIDQDAQIFIRTCSEAIHQLRTEGVCKLYSEQRAIRVVRVDDKRL  
 SKLEPEPHTKRKDDSTSEKAPQNASQDSEGKPAEELPEKPLAESQPELGTWGDGKGEDELSP EEQMFEQ  
 ENQRLIGEMNSLFDEV RQIEGKVVEISRLQEIFTEKVLQQETEIDSIHQLVVGATENIKEGNEIDIREAIK  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

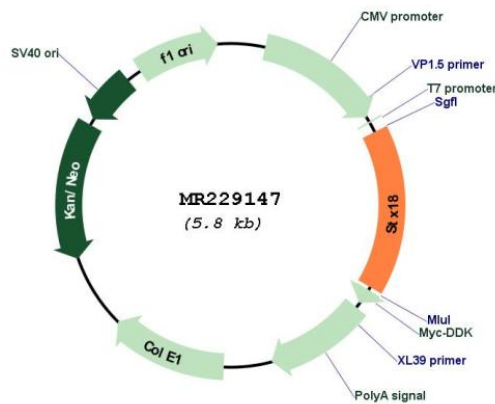
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289536

**ORF Size:** 924 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001289536.1</a> , <a href="#">NP_001276465.1</a>
<b>RefSeq Size:</b>	2441 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	71116
<b>UniProt ID:</b>	<a href="#">Q8VDS8</a>
<b>Cytogenetics:</b>	5 B3
<b>MW:</b>	35.6 kDa
<b>Gene Summary:</b>	Syntaxin that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]