

## Product datasheet for MR229146

### Stx18 (NM\_001289535) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx18 (NM\_001289535) 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:** >MR229146 representing NM\_001289535  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGGTGGACATCACACTGCTCTCCGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG  
 GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCCAAGGG  
 AGACTTCTCCAGCCGGGCCCGTGAAGTGATTTCTCACATTGGGAAGCTGAGAGATTTCTCCTGGAGCAC  
 AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG  
 ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTTCCAGAAGCAATCCATCAACTCAGAACAGA  
 AGCCCAACAAGGAGATACATTTCCAGCAAGTGAAGGAACACAGGACTGCCGTTTTGGATTTCTGTTGACGAT  
 TACTTAAAAAGAGTGTGTAAGCTTTACTCTGAACAAAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGA  
 AAAGACTATCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAGCCCTCA  
 GAACGTTCCAGGACTCTGAAGGAAAGCCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCA  
 CAGCCCGAACTGGGAACCTGGGGCGATGGCAAGGGTGAAGTGAAGTGTCTCCAGAAGAGATACAGATGT  
 TTGAACAAGAAAATCAGCGACTCATTGGTGAATGAACAGCTTGTGTTGACGAAGTGAAGCAAAATCGAAGG  
 GAAAGTCGTTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGGTTTTGCAACAGGAAACTGAGATC  
 GACAGCATTACCAAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGC  
 TAGCCACCAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229146 representing NM\_001289535  
 Red=Cloning site Green=Tags(s)

MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRSPRPKGFSSRAREVISHIGKLRDFLLEH  
 RKEYINAYSHTMSDYGRMTDTERDQIDQDAQIFIRTCSEAIHQLRTEAHKEIHSQQVKEHRTAVLDFVDD  
 YLKRVCKLYSEQRAIRVKRVVDDKKRLSKLEPEPHTKRKDDSTSEKAPQNASQDSEGKPAEELPEKPLAES  
 QPELGTWGDGKGEDELSP E E I Q M F E Q E N Q R L I G E M N S L F D E V R Q I E G K V V E I S R L Q E I F T E K V L Q Q E T E I  
 D S I H Q L V V G A T E N I K E G N E D I R E L A H Q G

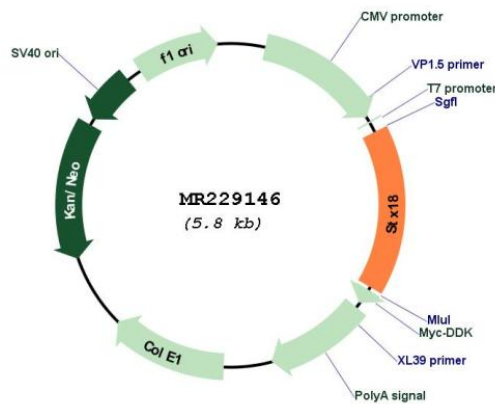
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289535

**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_001289535.1</a> , <a href="#">NP_001276464.1</a>
<b>RefSeq Size:</b>	2427 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]