

## Product datasheet for **MC226935**

### Stx18 (NM\_001289535) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx18 (NM\_001289535) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Stx18  
**Synonyms:** 1810035L21Rik; 4933425D03Rik; AU041562  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226935 representing NM\_001289535  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGTGGACATCACACTGCTCTTCCGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG  
GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCAAAGG  
AGACTTCTCCAGCCGGGCCCGTGAAGTGATTTCTCACATTGGGAAGCTGAGAGATTTTCTCTGGAGCAC  
AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG  
ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTTCCAGAAGCAATCCATCAACTCAGAACAGA  
AGCCACAAAGGAGATACATTCCAGCAAGTGAAGGAACACAGGACTGCCGTTTTGGATTTTCGTTGACGAT  
TACTTAAAAGAGTGTGTAAGCTTTACTCTGAACAAAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGA  
AAAGACTATCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAGCCCTCA  
GAACGTTCCAGGACTCTGAAGGAAAGCCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCA  
CAGCCCGAACTGGGAACCTGGGGCGATGGCAAGGGTGAAGTGAAGTGTCTCCAGAAGAGATACAGATGT  
TTGAACAAGAAAATCAGCGACTATTGGTGAATGAACAGCTTGTGTTGACGAAGTGAAGCAATCGAAGG  
GAAAGTCGTTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGGTTTTGCAACAGGAAACTGAGATC  
GACAGCATTACCAAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGC  
TAGCCACCAGGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289535  
**Insert Size:** 927 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001289535.1</a></u> , <u><a href="#">NP_001276464.1</a></u>
<b>RefSeq Size:</b>	2427 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	71116
<b>UniProt ID:</b>	<u><a href="#">Q8VDS8</a></u>
<b>Cytogenetics:</b>	5 B3
<b>Gene Summary:</b>	<p>Syntaxin that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>