

## Product datasheet for **MC210029**

### Stx1b (NM\_024414) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx1b (NM\_024414) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Stx1b  
**Synonyms:** Stx1b2; Stx1bl; Syn1b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210029 representing NM\_024414  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGGATCGGACTCAGGAGCTGCGGAGTGCGAAAGACAGTGATGATGAAGAGGAGGTGGTCCACGTGG  
ATCGAGACCACCTTATGGATGAGTTCCTCGAGCAGGTGGAAGAGATCCGAGGCTGCATCGAGAACTGTC  
TGAGGATGTGGAGCAAGTGAAGAAACAGCACAGCGCCATTCTTGCCGCCCAACCCCGATGAGAAGACT  
AAACAGGAGTTGGAGGACCTCACGGCAGACATCAAAAAGACGGCAACAAGGTCCGGTCCAAGTTGAAAG  
CGATCGAGCAAAGCATTGAGCAGGAAGAGGGGCTGAATCGTTCCTCTGCGGACCTGCGCATCCGTAAGAC  
CCAGCACTCCACACTCTCACGGAAGTTCGTGGAGGTAATGACCGAATATAATGCAACTCAGTCCAAGTAC  
CGGACCCTGCAAGGACCGAATCCAGAGGCAGCTGGAGATCACTGGCAGGACTACTACCAATGAAGAAC  
TAGAAGACATGTTGAAAGCGGGAAGCTGGCCATCTTCACTGATGATATCAAAATGGACTCGCAGATGAC  
AAAGCAAGCTCTGAATGAGATCGAGACAAGGCACAATGAGATCATCAAATGGAAACCAGCATTGAGAG  
CTGCACGACATGTTTGTGGACATGGCCATGCTCGTAGAGAGCCAGGTTGAGATGATCGACCGAATTGAGT  
ACAACGTGGAACATTCCGTGGACTACGTGGAACGAGCCGTGTGACACCAAGAAAGCTGGAAGTATCA  
GAGCAAGGCCAGGAGGAAGAAAATTATGATCATCATTTGCTGTGTGGTGTGGGGGTGGTCTTGGCGTCA  
TCCATTGGGGGGACACTGGGCTTGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_024414  
**Insert Size:** 867 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>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_024414.2</a> , <a href="#">NP_077725.1</a>
<b>RefSeq Size:</b>	1574 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	56216
<b>UniProt ID:</b>	<a href="#">P61264</a>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	Potentially involved in docking of synaptic vesicles at presynaptic active zones (By similarity). May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm.[UniProtKB/Swiss-Prot Function]