

## Product datasheet for RN206348

### Stx1b (NM\_012700) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stx1b (NM_012700) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stx1b
Synonyms:	Stx1b2; Stx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206348 representing NM_012700 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGATCGGACTCAGGAGCTGCGGAGTGCAAAGACAGTGACGATGAAGAGGAAGTGGTTCATGTGG  
ATCGAGACCCTTTATGGATGAGTTCCTTGAGCAGGTGGAAGAGATCCGAGGCTGCATCGAGAACTGTC  
CGAGGATGTGGAGCAAGTGAAGAAACAGCACAGTGCCATTCCTGCTGCCCAACCCGATGAGAAGACT  
AAACAGGAGCTGGAGACCTCACGGCAGACATCAAAAAGACGGCAAACAAGGTCCGGTCCAAGTTGAAAG  
CGATCGAGCAGAGCATTGAGCAGGAAGAGGGGTGAATCGTTCCTGTCAGACCTGCGTATCCGTAAGAC  
CCAGCACTCCACACTCTCACGGAAGTTCGTGGAGGTAATGACCGAATATAATGCAACTCAGTCTAAGTAC  
CGGACCGCTGCAAGGACCGTATCCAGAGGCAGCTGGAGATCACTGGCAGGACTACTACCAACGAAGAGC  
TGGAAAGACATGTTGAAAGCGGGAAGCTGGCCATCTTCACGGACGACATCAAAATGGACTCGCAGATGAC  
AAAGCAAGCCCTGAATGAGATAGAGACAAGGCACAATGAGATCATCAAATGGAAACCAGCATCCGAGAG  
CTGCACGACATGTTTGTGGACATGGCCATGCTCGTGGAGAGCCAGGGTGAGATGATCGACCGAATTGAGT  
ACAATGTGGAACATTCTGTGGACTACGTGGAGCCGCGTGTCCGACACCAAGAAAGCTGTGAAATATCA  
GAGCAAGGCCAGGAGGAAGAAAATTATGATCATCATTTGCTGTGTGGTGTGGGGTGGTCTTGGCGTCA  
TCTATTGGGGGACACTGGGCTTGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_012700
Insert Size:	867 bp



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_012700.2</a>, <a href="#">NP_036832.1</a></p>
<b>RefSeq Size:</b>	<p>1690 bp</p>
<b>RefSeq ORF:</b>	<p>867 bp</p>
<b>Locus ID:</b>	<p>24923</p>
<b>UniProt ID:</b>	<p><a href="#">P61265</a></p>
<b>Cytogenetics:</b>	<p>1q37</p>
<b>Gene Summary:</b>	<p>protein that binds to N-type calcium channels and forms a synaptic core complex; involved in synaptic vesicle docking, calcium-dependent synaptic transmission and vesicular transport [RGD, Feb 2006]</p>