

## Product datasheet for MR217805

### Stx3 (NM\_011502) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stx3 (NM_011502) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx3
Synonyms:	Syn-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217805 representing NM_011502 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGGACCGGCTGGAGCAGCTGAAGGCCAAGCAGCTGACGCAGGATGATGACACGGACGAGGTTGAGA  
TTGCCATTGACAACACAGCCTTCATGGACGAGTCTTCTCTGAGAACTTCCACGGAATCCTCTCCTATCT  
CCTGAGATTGAGCTCACATGAAACCAAAGATGACCTTGAACAGCTCACAACCTGAGATCAAGAAAAGGGCC  
AACAAACGTCGGAAACAAGCTGAAGAGCATGGAGAAGCACATTGAGGAAGATGAGGTTTCGGTCATCTGCAG  
ACCTTCGGATACGAAAGTCCCAGCACTCCGTCCTCTCCCGGAAGTTTGTGGAGGTGATGACAAAAGTACAA  
TGAGGCTCAGGTGGACTCCGTGAACGCAGCAAAGGGCGCATCCAACGGCAGCTTGAATTAAGTGGCAAG  
AAGACAACAGATGAGGAGCTGGAAGAGATGTTGGAGAGTGGCAACCCAGCCATCTCACTTCTGGGATCA  
TTGACTCCCAGATTTCCAAGCAAGCCCTCAGCGAGATTGAGGGTCGGCACAAGGACATCGTAAGGCTGGA  
GAGCAGCATCAAGGAGCTCCATGACATGTTATGGACATCGCCATGCTGGTGGAAAATCAGGGAGCCATG  
ATTGACCGCATTGAGAACAACATGGACCAGTCAGTGGCTTTGTGGAACGGGCTGTGGCAGATACAAAA  
AGGCGGTCAAGTATCAGAGTGAAGCCCGGAGGAAGAAGATCATGATCATGATCTGCTGTATTATCCTTGC  
CATCATCTTGGCTTCTACCATTGGGGGCATATTTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR217805 representing NM\_011502  
Red=Cloning site Green=Tags(s)

MKDRLEQLKAKQLTQDDTDEVEIAIDNTAFMDEFFSENFHGILSYLLRLSSHETKDDLEQLTTEIKKRA  
 NNVRNKLKSMEKHIEEDEVRSADLRIRKSQHSVLSRKFEVMTKYNEAQVDFRERSKGRIQRQLEITGK  
 KTTDEELEEMLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVRLESSIKELHDMFMDIAMLVENQAM  
 IDRIENNMDQSVGFVERAVADTKKAVKYQSEARRKKIMIMICCIILAILASTIGGIFA

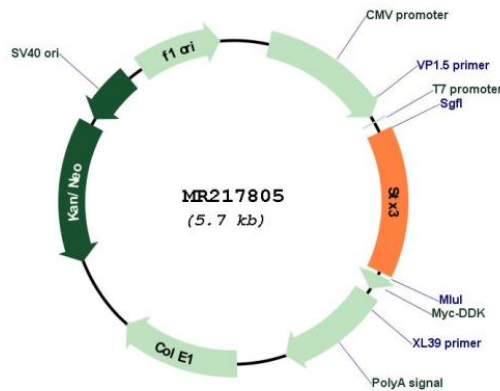
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_011502  
**ORF Size:** 807 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_011502.4</a>
<b>RefSeq Size:</b>	2523 bp
<b>RefSeq ORF:</b>	810 bp
<b>Locus ID:</b>	20908
<b>UniProt ID:</b>	<a href="#">Q64704</a>
<b>Cytogenetics:</b>	19 A
<b>MW:</b>	31.4 kDa
<b>Gene Summary:</b>	Potentially involved in docking of synaptic vesicles at presynaptic active zones. [UniProtKB/Swiss-Prot Function]