

## Product datasheet for MR228385

### Stx3 (NM\_001286543) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx3 (NM\_001286543) 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:** >MR228385 representing NM\_001286543  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGAAGCACATTGAGGAAGATGAGGTTCCGGTCATCTGCAGACCTTCGGATACGAAAGTCCCAGCACT  
 CCGTCCTCTCCCGAAGTTTGTGGAGGTGATGACAAAGTACAATGAGGCTCAGGTGGACTCCGTGAACG  
 CAGCAAAGGGCGCATCCAACGGCAGCTTCAAATTACTGGCAAGAAGACAACAGATGAGGAGCTGGAAGAG  
 ATGTTGGAGAGTGGCAACCCAGCCATCTCACTTCTGGGATCATTGACTCCAGATTTCCAAGCAAGCCC  
 TCAGCGAGATTGAGGGTCCGCACAAGGACATCGTAAGGCTGGAGAGCAGCATCAAGGAGCTCCATGACAT  
 GTTTATGGACATCGCCATGCTGGTGGAAAATCAGGGAGCCATGATTGACCGCATTGAGAACAACATGGAC  
 CAGTCAGTGGGCTTTGTGGAACGGGCTGTGGCAGATACAAAAAGGCGGTCAAGTATCAGAGTGAAGCCC  
 GGAGGAAGAAGATCATGATCATGATCTGCTGTATTATCCTTGCCATCATCTTGGCTTCTACCATTGGGG  
 CATATTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228385 representing NM\_001286543  
 Red=Cloning site Green=Tags(s)

MEKHIEEDEVRSADLRIRKSQHSVLSRKFVEVMTKYNEAQVDFRERSKGRIQRQLEITGKKTDEELEE  
 MLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVRLESSIKELHDMFMDIAMLVENQGMIDRIENMMD  
 QSVGFVERAVADTKKAVKYQSEARRKKIMIMICCIILAILLASTIGGIFA

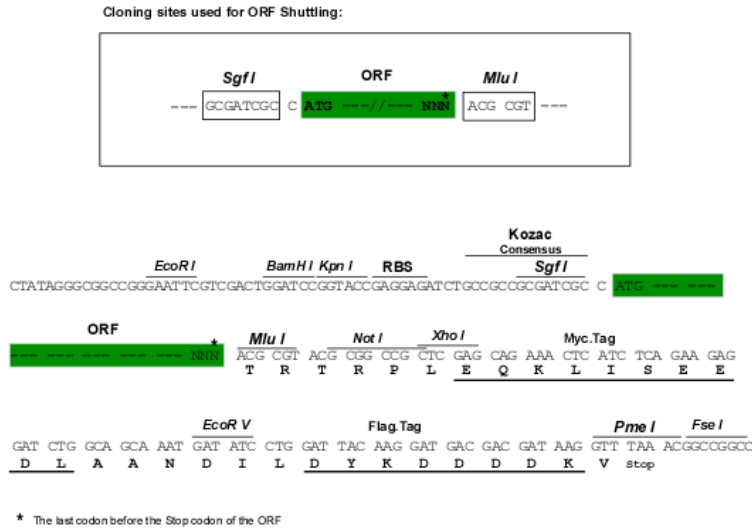
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

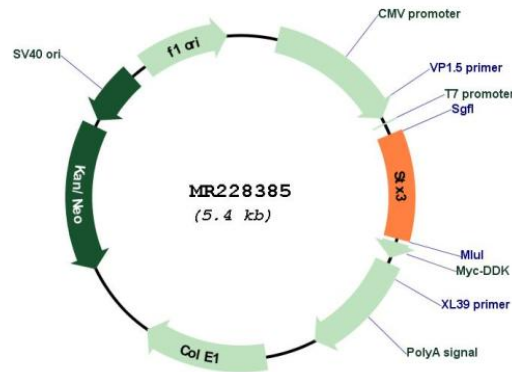


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286543

ORF Size: 570 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001286543.2](#)

**RefSeq Size:** 3133 bp

**RefSeq ORF:** 573 bp

**Locus ID:** 20908

**UniProt ID:** [Q64704](#)

**Cytogenetics:** 19 A

**MW:** 22.1 kDa

**Gene Summary:** Potentially involved in docking of synaptic vesicles at presynaptic active zones.  
[UniProtKB/Swiss-Prot Function]