

Product datasheet for **MG217805**

Stx3 (NM_011502) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx3 (NM_011502) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Stx3
Synonyms: Syn-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217805 representing NM_011502
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGACCGGCTGGAGCAGCTGAAGGCCAAGCAGCTGACGCAGGATGATGACACGGACGAGGTTGAGA
TTGCCATTGACAACACAGCCTTCATGGACGAGTTCTTCTCTGAGAACTCCACGGAATCCTCTCCTATCT
CCTGAGATTGAGCTCACATGAAACCAAGATGACCTTGAACAGCTCACAACCTGAGATCAAGAAAAGGGCC
AACACGTCGGAAACAAGCTGAAGAGCATGGAGAAGCACATTGAGGAAGATGAGGTTCCGGTCATCTGCAG
ACCTTCGGATACGAAAGTCCCAGCACTCCGTCCTCTCCCGGAAGTTTGTGGAGGTGATGACAAAGTACAA
TGAGGCTCAGGTGGACTTCCGTGAACGCAGCAAAGGGCGCATCCAACGGCAGCTTGAAATTAAGTGGCAAG
AAGACAACAGATGAGGAGCTGGAAGAGATGTTGGAGAGTGGAACCCAGCCATCTTCACTTCTGGGATCA
TTGACTCCCAGATTTCCAAGCAAGCCCTCAGCGAGATTGAGGGTCGGCACAAGGACATCGTAAGGCTGGA
GAGCAGCATCAAGGAGCTCCATGACATGTTATGGACATCGCCATGCTGGTGGAAAATCAGGGAGCCATG
ATTGACCGCATTGAGAACACATGGACCAGTCAGTGGGCTTTGTGGAACGGGCTGTGGCAGATACAAAA
AGGCGGTCAAGTATCAGAGTGAAGCCCGGAGGAAGAAGATCATGATCATGATCTGCTGTATTATCCTTGC
CATCATCTTGGCTTCTACCATTGGGGGCATATTTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217805 representing NM_011502
 Red=Cloning site Green=Tags(s)

MKDRLEQLKAKQLTQDDTDEVEIAIDNTAFMDEFFSENFHGILSYLLRLSSHETKDDLEQLTTEIKKRA
 NNVRNKLKSMEKHIEEDEVRSADLRIRKSQHSVL SRKFVEVMTKYNEAQVDFRERSKGRIGRQLEITGK
 KTTDEELEEMLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVRLESSIKELHDMFMDIAMLVENQGAM
 IDRIENNMDQSVGFVERAVADTKKAVKYQSEARRKKIMIMICCIILAILASTIGGIFA

TRTRPLE - GFP Tag - V

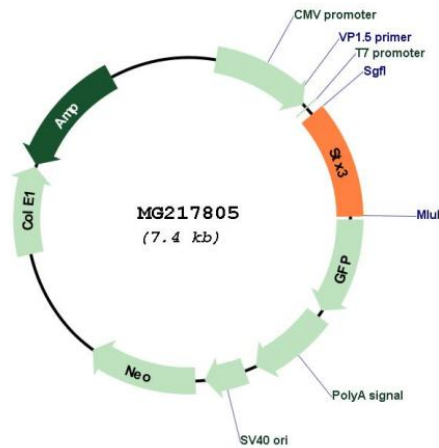
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_011502

ORF Size: 807 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:	<ol style="list-style-type: none">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_011502.4
RefSeq Size:	2523 bp
RefSeq ORF:	810 bp
Locus ID:	20908
UniProt ID:	Q64704
Cytogenetics:	19 A
Gene Summary:	Potentially involved in docking of synaptic vesicles at presynaptic active zones. [UniProtKB/Swiss-Prot Function]