

Product datasheet for **MG217792**

Stx3 (NM_152220) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx3 (NM_152220) 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:	>MG217792 representing NM_152220 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGACCGGCTGGAGCAGCTGAAGGCCAAGCAGCTGACGCAGGATGATGACACGGACGAGGTTGAGA
TTGCCATTGACAACACAGCCTTCATGGACGAGTTCTTCTCTGAGATCGAGGAAACACGGCTCAACATTGA
CAAGATCTCGGAGCATGTAGAGGAAGCTAAGAACTCTACAGTATCATTCTCTGCACCGATCCCAGAG
CCAAAAACCAAAGATGACCTTGAACAGCTCACAACCTGAGATCAAGAAAAGGCCAACACGTCGGGAACA
AGCTGAAGAGCATGGAGAAGCACATTGAGGAAGATGAGGTTCCGGTCATCTGCAGACCTTCGGATACGAAA
GTCCCAGCACTCCGTCCTCTCCCGGAAGTTTGTGGAGGTGATGACAAAGTACAATGAGGCTCAGGTGGAC
TTCCGTGAACGCAGCAAAGGGCGCATCCAACGGCAGCTTGAAATTAAGTGGCAAGAAGACAACAGATGAGG
AGCTGGAAGAGATGTTGGAGAGTGGCAACCCAGCCATCTTCACTTCTGGGATCATTGACTCCCAGATTTT
CAAGCAAGCCCTCAGCGAGATTGAGGGTCGGCACAAGGACATCGTAAGGCTGGAGAGCAGCATCAAGGAG
CTCCATGACATGTTTATGGACATCGCCATGCTGGTGGAAAATCAGGGGGAGATGTTAGATAACATAGAGT
TGAATGTCATGCACACAGTGGACCATGTGGAGAAGGCACGGGATGAACTAAAAGAGCCATGAAGTATCA
GGGTGAGGCTCGGAAGAAATTGATAATTATCATTGTGGTAGTAGTGTGTGCTGGGCATTTTAGCGTTG
ATTATTGGACTGTCCGTTGGGCTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217792 representing NM_152220
 Red=Cloning site Green=Tags(s)

MKDRLEQLKAKQLTQDDTDEVEIAIDNTAFMDEFFSEIEETRLNIDKISEHVVEAKKLYSIILSAPIPE
 PKTKDDLEQLTTEIKKRANNVRNKLKSMEKHIEEDEVSRSSADLRIRKSQHSVLSRKFVEVMTKYNEAQVD
 FRERSKGRIQRQLEITGKKTDEELEEMLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVRLESSIKE
 LHDMFMDIAMLVENQGEMLDNIELNMHTVDHVEKARDETKRAMKYQGQARKKLIIVVVVVLGILAL
 IIGLSVGLK

TRTRPLE - GFP Tag - V

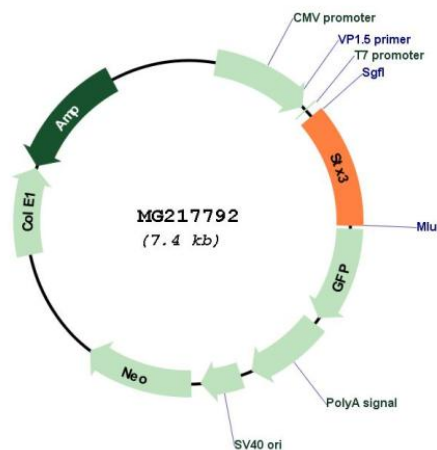
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_152220

ORF Size: 3268 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_152220.2 , NP_689344.1
RefSeq ORF:	870 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]