

Product datasheet for **MR217792**

Stx3 (NM_152220) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx3 (NM_152220) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx3
Synonyms:	Syn-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217792 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
GGGTCAAGGCTCGGAAGAAATTGATAATTATCATTGTGGTAGTAGTTGTGTGCTGGGCATTTTAGCGTTG
ATTATTGGACTGCCGTTGGGCTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217792 representing NM_152220
Red=Cloning site Green=Tags(s)

MKDRLEQLKAKQLTQDDDTDEVEIAIDNTAFMDEFFSEIEETRLNIDKISEHVVEAKKLYSIILSAPIPE
 PKTKDDLEQLTTEIKKRANNVRNKLKSMEKHIEEDEVSRSSADLRIRKSQHSVLSRKFVEVMKYNEAQVD
 FRERSKGRIQRQLEITGKKTDEELEEMLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVERLESSIKE
 LHDMFMDIAMLVENQGEMLDNIELNVMHTVDHVEKARDETKRAMKYQGQARKKLI I I I V V V V V L L G I L A L
 I I G L S V G L K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152220

ORF Size: 867 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_152220.2](#), [NP_689344.1](#)

RefSeq Size: 3271 bp

RefSeq ORF: 870 bp

Locus ID: 20908

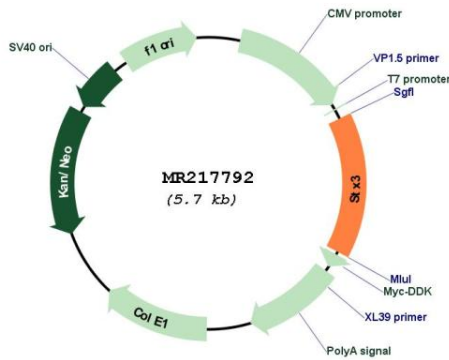
UniProt ID: [Q64704](#)

Cytogenetics: 19 A

MW: 33.7 kDa

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

Product images:



Circular map for MR217792