

Product datasheet for **MC200783**

Stx4a (NM_009294) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Stx4a
Synonyms:	Stx4; Syn-4; Syn4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005791 sequence for NM_009294
GAGAGGTGCAGGACTTCCAAATTTAGAACCTTGAGGCCCTTTGGGCTCGGGTCCAGGGCACTCCGACCAC
CATGCGCGACAGGACCCACGAGTTGAGGCAGGGGATAACATCTCAGACGATGAAGATGAGGTTTCGAGTC
GCGCTGGTGGTGCAGTCAAGTGTGCTGCCCCGTTGGGCAGCCCGGACGACGAGTTCTTCAGAAGGTGCAGA
CAATTGCGCAGACTATGGCCAACTGGAGAGTAAAGTCCGGGAGTTGGAGAAACAGCAGGTCAACATCCT
GGCCACGCCTTCTCCGAGGAGAGCATGAAGCAGGGCCTGCAGAACCTGCGAGAGGAGATCAAACAGCTG
GGGAGAGAGGTCCGGGCGCAGCTAAAAGCCATAGAGCCCCAGAAGGAGGAAGCTGATGAGAATTACAAC
CAGTCAACACAAGGATGAAGAAAACCCAGCATGGAGTCTGTCCCAGCAATTTGTGCGAGCTCATCAACAA
GTGCAACTCAATGCAGTCCGAATACCGAGAGAAGAATGTGGAGCGGATCCGGAGGCAGCTGAAGATCACC
AATGCTGGAATGGTGTCTGACGAGGAGCTGGAACAGATGCTGGACAGTGGGCAGAGTGAGGTGTTTGTGT
CTAATATCCTGAAGGACACGACAGGTGACTCGGCAGGCCCTGAATGAGATCTCTGCGCGGCACAGTGAGAT
CCAGCAGTTGGAGCGCAGTATCCGAGAGCTCCATGAGATCTTTACGTTTCTAGCTACGGAGGTGGAGATG
CAGGGGGAGATGATCAACCGCATCGAGAAGAATCCTGAGCTCGGCCGACTACGTGGAACGTGGGCAAG
AGCACGTCAAGATAGCCCTAGAGAATCAGAAGAAGGCGAGGAAGAAAAAGTCATGATTGCCATCTGTGT
CTCTGTCACTGTTCTCATCTTGGCTGTCATCATTGGCATCACCATAACCGTTGGATAATGTACATGTTT
TTGGTGAGAAATGGCGGCCTGCCCATCCCTGGCAGCAGCCTCCCCGCCTCCTGTCAGACCCATTTCTT
TCTCCTTCCCTTGACGGCATTGGGAGAGACAGAGACCCAGCTTTTGTGGAGGTGGGCGAGGCCTCCAAC
GAACCGTCCGCACACTGGACCTTGTGAGAGGGCCTGCGGCTCGTCTGGGTTGGCAGCTGCTCATTCA
TGGAGTCTCCCTGGAGTCTCCACAATGCCTGCGAGACAGTTTTCAATGTCTGTTTGTCTGGGATAC
ATGGTTTTGTAAAAATTTAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_009294
Insert Size:	897 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC005791 , AAH05791
RefSeq Size:	1296 bp
RefSeq ORF:	897 bp
Locus ID:	20909
UniProt ID:	P70452
Cytogenetics:	7 F3
Gene Summary:	Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes and in docking of synaptic vesicles at presynaptic active zones.[UniProtKB/Swiss-Prot Function]