

Product datasheet for **MC227732**

Syt6 (NM_001276676) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt6 (NM_001276676) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syt6
Synonyms:	3110037A08Rik; AW048930; sytVI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227732 representing NM_001276676
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTGCCCTGGGCTTCTGGAGGCAGCTGT
GAAGATCAGCCACACTTCCCCAGACATCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
CACACAAAGCTGCAGCGACAGACCACAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGTGCCGCCGAGCAGCC
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
GAGGCCCAAGAGCTGTGGGAAGATCACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
TGCGCATCCTGAAGGCCCTTGACCTCCCTGCCAAGGACTTTTGGCGAAGTCTGACCCTTATGTTAAGAT
CTACCTCTGCCTGACCGCAAGTCAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTT
GATGAGAACTTCCACTTCCCCGTGCCCTACGAGGAGCTGGCTGACCGCAAGCTGCATCTCAGTGTCTTTG
ACTTTGACCGCTTCTCCCGCCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCTCTGA
CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAAGTGTGGACTTGGGAGAG
ATCATGTTCTCCCTCTGTACCTGCCACAGCAGGCAGGCTCACCTCACAGTATCAAGTGTGCAAAATC
TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG
GCTGAAAAAGAAGAAAACGACCATAAAAAAGAACCCTAAACCCCATCTACAACGAGGCCATCATCTTT
GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGATCAATGCTGAAGGCCTTGGCAGGGACCCTGGAATGA
GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAAA
GAGTGGCAGGGCCGAGCTGCCAGCTTCGACAGTGAAGCTCATGCCCGTCTCCGAAACCCTCCGACGC
CATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001276676

Insert Size: 1335 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001276676.1](#), [NP_001263605.1](#)

RefSeq Size: 4285 bp

RefSeq ORF: 1335 bp

Locus ID: 54524

Cytogenetics: 3 F2.2

Gene Summary: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (By similarity). May mediate Ca(2+)-regulation of exocytosis in acrosomal reaction in sperm (PubMed:15774481).[UniProtKB/Swiss-Prot Function]