

Product datasheet for **MC227633**

Syt6 (NM_001276681) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syt6 (NM_001276681) 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
Fully Sequenced ORF: >MC227633 representing NM_001276681
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC
 CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTCCCTGGGCTTCTGGAGGCAGCTGT
 GAAGATCAGCCCACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
 CACACAAAGCTGCAGCGACAGACCAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
 TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCC
 CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
 GAGGCCGCCAAGAGCTGTGGGAAGATCACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
 TGCGCATCCTGAAGGCCCTTTCACCTCCCTGCCAAGGACTTTTGCAGGAAAGTCTGACCCCTATGTTAAGAT
 CTACCTCCTGCCTGACCGCAAGTGAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTT
 GATGAGAACTTCCACTTCCCCTGCCCACGAGATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCCTGA
 CCTGTCCCAGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAGTGTGGACTTGGGAGAG
 ATCATGTTCTCCCTCTGCTACCTGCCACAGCAGGAGGCTCACCTCACAGTATCAAGTGTGCGAAATC
 TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG
 GCTGAAAAAGAAGAAAACGACCAAAAAAAGAACACCCTAAACCCCATCTACAACGAGGCCATCATCTTT
 GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC
 ACAACGAGATCATAGGAGTCTGTAGAGTGGGGTCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA
 GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAA
 GAGGGGACCCCTCGGTT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001276681
Insert Size:	1281 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:	<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:	<u>NM_001276681.1, NP_001263610.1</u>
RefSeq Size:	4416 bp
RefSeq ORF:	1281 bp
Locus ID:	54524
Cytogenetics:	3 F2.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) differs in the 5' and 3' UTRs, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (3) with a shorter N-terminus, compared to isoform 1. Variants 3, 4 and 6 encode the same isoform (3).</p>