

Product datasheet for **MC227477**

Syt8 (NM_001285861) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syt8 (NM_001285861) Mouse Untagged Clone
Tag: Tag Free
Symbol: Syt8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227477 representing NM_001285861
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAAGCTGATAGGAGCATGAAGATGGGGCAGCCTTAAACCCCTTCAGCACCTCTGCCCCACTTGATG
 CCACAGCTGGGCCAGTCTCATCCAGAGCTCATCACCAGGATCCCCTGGCCTCGCTGGACCTCTTTAT
 CGCCATCCTTGCTGCTGGAGTCTCTTAGTCTCCTGTTTGGCTGTGTGCATCTGTTGCTATTGCCACGC
 CATCGCCACAGGAAGCAACCCAAGGATAAAGAACTGTGGGCCTGGGCAGTGCCCGTAATAGCACCACTA
 CTCACCTGGTTCAACCAGATGTGGACTGCCTAGAACCCTGCTCTGGAGGGGACCAACAGTGGGGTGGACT
 CCTGCTGTCACTAGAGTATGATTTTGAAGCCAGGAGATTAGAGTGGCCTGAGGCAGGCTGAAACCTG
 AAGGCTGAGGGCACAGCAGACCCCTACGCCTGGGTCAAGTGTGCCACCCAGTCTGGGAGAAGACATGAGA
 CAAAGGTGACCCGAGGGACGCTCTCTCCCATGTTTGAAGAGACATGCTGCTTTCTGGTCCCACCAGCAGA
 GCTGCCAAAGCCACTCTGAAGGTGCAGCTGTGGGACTTCAAGCGGTTTTTCAAGACAGGCCACTGGGT
 GAGCTCCAACCTACCCCTGGGCACCGTGGACCTTCAACATGTCCTGGAGAGCTGGTACCAGTACGGCCCTC
 CAGGGACCACTGAGCCTGAGCAGATGGGGAGCTGTGCTTCTCACTACGCTACGTGCCAGCTCAGGCAG
 CCTGACTGTGGTTGACTGGAGGCTCGGGTCTGAATCCGGGGCTTGAGAGGCCACTGTAAGATCCAG
 CTTATGTTAAACCAGAGAAAATGGAAGAAGAGCAAAACATCCTCCAAGAAAGGCACGACTACCCCTACT
 TCAACGAGGCCTTCGTCTTCTGGTTCCCGTTAGCCAGCTCCAGAGTGTGGACCTGGTGTGGTGTCTG
 GGCCCGTGGTCTGCAGCTCCGGACTGAGCCTGTGGGCAAAGTGTGCTGGGTTCCCGGGCTTCTGGCCAA
 CCCCTACAGCACTGGGCAGACATGCTGGCCATGCTCGGGCGCCCATCGCCAGTGGCACCACCTGCGGT
 CCCCAGGAAGTGGATCGTGTCTGGCCCTGCAGCCTCGCCTCCCTGCTTAGGCCTCGCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285861



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Insert Size:	1188 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_001285861.1, NP_001272790.1</u>
RefSeq Size:	1382 bp
RefSeq ORF:	1188 bp
Locus ID:	55925
UniProt ID:	<u>Q9R0N6</u>
Cytogenetics:	7 F5
Gene Summary:	<p>Involved in the trafficking and exocytosis of secretory vesicles in non-neuronal tissues. Mediates Ca(2+)-regulation of exocytosis acrosomal reaction in sperm. May mediate Ca(2+)-regulation of exocytosis in insulin secreted cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (c) has a longer and distinct N-terminus and lacks an alternate internal segment compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>