

## Product datasheet for **MC227631**

### Syt6 (NM\_001276677) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syt6 (NM\_001276677) 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:** >MC227631 representing NM\_001276677  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC  
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTCCCTGGGCTTCTGGAGGCAGCTGT  
GAAGATCAGCCCACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC  
CACACAAAGCTGCAGCGACAGACCAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC  
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCC  
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG  
GAGGCCGCAAGAGCTGTGGGAAGATCACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG  
TGCGCATCCTGAAGGCCCTTACCTCCCTGCCAAGGACTTTTGCAGGAAAGTCTGACCCCTATGTTAAGAT  
CTACCTCCTGCCTGACCGCAAGTGAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTT  
GATGAGAACTTCCACTTCCCCTGCCCTACGAGGAGCTGGCTGACCGCAAGCTGCATCTCAGTGTCTTTG  
ACTTTGACCGCTTCTCCCGCCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCCTGTA  
CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAGTGTGGACTTGGGAGAG  
ATCATGTTCTCCCTCTGCTACCTGCCACAGCAGGAGGCTCACCTCACAGTATCAAGTGTGCGAATC  
TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG  
GCTGAAAAAGAAGAAAACGACCAATAAAAAAGAACCCCTAAACCCCATCTACAACGAGGCCATCATCTTT  
GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC  
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGTCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA  
GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAA  
GAGGGGACCCCTCGGTTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001276677
<b>Insert Size:</b>	1281 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001276677.1</a></u> , <u><a href="#">NP_001263606.1</a></u>
<b>RefSeq Size:</b>	1665 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	54524
<b>Cytogenetics:</b>	3 F2.2
<b>Gene Summary:</b>	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]