

## Product datasheet for **MC227632**

### Syt6 (NM\_001276679) Mouse Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Syt6 (NM_001276679) 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: | >MC227632 representing NM_001276679<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC  
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTCCCTGGGCTTCTGGAGGCAGCTGT  
GAAGATCAGCCCACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC  
CACACAAAGCTGCAGCGACAGACCAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC  
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCC  
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG  
GAGGCCGCAAGAGCTGTGGGAAGATCAACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG  
TGCGCATCCTGAAGGCCCTTACCTCCCTGCCAAGGACTTTTGCAGGAGTTTCTGACCCCTATGTTAAGAT  
CTACCTCCTGCCTGACCGCAAGTGAAGCTGCAGACCCGGTGCACCGCAAGACCCTGAACCCACCTTT  
GATGAGAACTTCCACTTCCCCTGCCCTACGAGGAGCTGGTGACCGCAAGCTGCATCTCAGTGTCTTTG  
ACTTTGACCGCTTCTCCCGCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCCTGTA  
CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAGTGTGGACTTGGGAGAG  
ATCATGTTCTCCCTCTGCTACCTGCCACAGCAGGCAGGCTCACCTCACAGTATCAAGTGTGCAAAATC  
TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG  
GCTGAAAAAGAAGAAAACGACCAATAAAAAAGAACCCCTAAACCCCATCTACAACGAGGCCATCATCTTT  
GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC  
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGTCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA  
GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAA  
GAGGGGACCCCTCGGTTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                               |  |
|-------------------------------|--|
| <b>Restriction Sites:</b>     | Sgfl-Mlul  |
| <b>ACCN:</b>                  | NM_001276679   |
| <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_001276679.1</a></u> , <u><a href="#">NP_001263608.1</a></u>  |
| <b>RefSeq Size:</b>           | 1599 bp  |
| <b>RefSeq ORF:</b>            | 1281 bp  |
| <b>Locus ID:</b>              | 54524  |
| <b>Cytogenetics:</b>          | 3 F2.2   |
| <b>Gene Summary:</b>          | <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 (4) uses an alternate splice site in the 5' UTR, 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). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |