

## Product datasheet for **MC217163**

### **Syt6 (NM\_018800) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Syt6 (NM_018800) 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:** >MC217163 representing NM\_018800  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCGGGTGGGGGCGGAGGGCCTCGGTGCCAGGCGCGCTCGGGTCTCTGTGTC  
GGGCCCGGCCGCCCTCTCGGGCTGGACGTTGAGACTTGTGCGAGCTTCGAGCTGCAGTCCCCGGAGCA  
GAGTCCAAGCGCGCAGACTCAGGCACCTCTGTACGCTCCTCGCCGTGGTAGTTATTGTGTGTGGCGTG  
GCCCTGGTGGCAGTTTTTCTCTTTCTCTTTGGAAGCTGTGCTGGATGCCCTGGAGGAAGAAAGAGGCC  
CCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCCCAGCTCCAGAGGCAACATGGCGGA  
TAAGCTGAAGGACCCAGTGCCTGGGCTTCTGGAGGCAGCTGTGAAGATCAGCCACACTTCCCCAGAC  
ATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGCCACACAAAGTGCAGCGACAGACCA  
CAGAGCCAGCATCTCCACCAGGCACACATCCTTCAAGCGCCACCTGCCACGACAGATGCATGTCTCCAG  
CGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCCACCAGTATTGGCCGTATCAAGCCT  
GAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCGGAGGCCGCAAGAGCTGTGGGAAGA  
TCAACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTGTGCGCATCCTGAAGGCCCTTACCT  
CCCTGCCAAGGACTTTTGCAGGAGTTCTGACCCTTATGTTAAGATCTACCTCCTGCCTGACCGCAAGTGC  
AAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTTGATGAGAAGTCCACTTCCCCGTGC  
CCTACGAGGAGCTGGGTGACCGCAAGCTGCATCTCAGTGTCTTTGACTTTGACCGCTTCTCCCGCATGA  
CATGATTGGGGAGGTCACTCGGACAATCTCTTTGAGGCCTCTGACCTGTCCCGGAGACCTCCACTCTGG  
AAGGACATCCAGTACGCTACTAGTAAAAGTGTGGACTTGGGAGAGATCATGTTCTCCCTCTGCTACCTGC  
CCACAGCAGGCAGGCTCACCCCTCACAGTGATCAAGTGTGAAATCTCAAAGCAATGGACATCACAGGCTA  
CTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAGGCTGAAAAAGAAGAAAACGACCATA  
AAAAAGAACACCCTAAACCCATCTACAACGAGGCCATCATCTTTGACATCCCCCAGAAAAACATGGACC  
AAGTGAGCCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCCACAACGAGATCATAGGAGTCTGTAG  
AGTGGGGATCAATGCTGAAGGCCTTGGCAGGGACCCTGGAATGAGATGTTGGCGTACCCACGAAAGCCC  
ATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAAAGAGGGGACCCCTCGGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_018800

**Insert Size:** 1536 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).

**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\\_018800.4](#), [NP\\_061270.2](#)

**RefSeq Size:** 1682 bp

**RefSeq ORF:** 1536 bp

**Locus ID:** 54524

**UniProt ID:** [Q9R0N8](#)

**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]