

## Product datasheet for **MC216828**

### Syt9 (NM\_021889) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syt9 (NM_021889) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syt9
Synonyms:	Syt5, Sytv
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216828 representing NM\_021889  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCGGGCCAGGGACGCGCTCTGTACCAGGCGCTGCAGCTGCTGGCCGAGCTCTGTGCCCGAGGGG  
 CCCTGGAGCACGACAGCTGCCAAGATTTTCATCTACCACCTGCGGGACCGTGCCAGACCCCGCTCCGCGA  
 CCCAGATATCTCTGTGAGCCTGTAAACCCTCGTGGTTACTGCCTGTGGTCTGGCCCTTTTGGTGTCTCT  
 CTTTTCTGTCTTGAAACTGTGCTGGTTCCTGGCGAGAGCGAGGCCTGTTCTCTGGTAGCAAAGACA  
 ACAACCAAGAGCCTTTAATTACACCGACACAGAGACAAACGAGCAGGAGAACAGCGAGGACTTCTAGA  
 CCCACCTACACCTGCCCTGACTCCTCCATGAAGATAAGCCACACTTCCCCGACATTCCCTCTCCACC  
 CAGCCAGGGGCCAGGAGAACTGTGCCATGCCGTCCGTGTGCAGCGACAAGTCACAGAGCCAACACCAT  
 CAGCTCGGCATAACTCAATCCGAAGACAGCTCAACCTGTCAACCCGGACTTTAATATCCAGCAGCTTCA  
 GAGGCAGGAGCAGCTGACTGGGATTGGTAGAATTAACCCAGAGTTATACAAACAGAGGTCCTGGACAAC  
 GACGATGGGCGGAGGAGTAACAGCAAAGCCTGCGGGAAACTGAACTTCATTTTAAAAATGACTGCGACT  
 TGAACAGCTCATTGTGAAGATCCAAAGCCGTCAATCTGCCTGCCAAGGACTTCTCTGGGACTTCAGA  
 TCCTTATGTCAAGATCTACTTGCTTCTGACCGGAAAACAAAACACCAGACTAAAGTTACAGGAAGACC  
 CTGAACCTGTGTTTGTAGAGGTGTTTTATTTCTGTTCACTACAATGACCTTGAAGCTCGGAAGCTTC  
 ACTTCTCTGTGTATGACTTTGACAGGTTCTCTCGCCATGACCTGATTGGTCAGGTGGTGGGACCACTT  
 CTTGACTTGGCCGACTTCCCAGGGAGTGCATCCTTTGGAAGGATATCGAGTATGTCACCAACGATAAT  
 GTGGATCTGGGCGAGCTTATGTTTTCACTCTGCTATCTTCCAACGGCTGGCAGGCTGACCATCACCATCA  
 TAAAAGCAAGGAATTTAAAGCGATGGACATAACAGGAGCATCAGATCCCTACGTGAAAGTCTACTGAT  
 GTGTGACGGCCGGAGACTGAAGAAGAGGAAAACCTCCACCAAGAGGAACACGCTTAATCCGTTTTACAAT  
 GAAGCCATAGTCTTCGACGTCCCTCCCAGAGCATCGACCAGATCCACTTGTCCATAGCCGTCATGGACT  
 ATGACCGTGTAGGTCACAATGAGGTCATTGGCGTGTGCCAAGTAGGAAACGAGGCTGAGCGGCTGGGCGA  
 GAGCACTGGAGTGAGATGCTGTCATATCTCGGAAGCCCATCGCACACTGGCACTCTCTGATGGAGAAA  
 CGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_021889

**Insert Size:** 1476 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\\_021889.4](#), [NP\\_068689.2](#)

**RefSeq Size:** 3816 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 60510

**UniProt ID:** [Q9R0N9](#)

**Cytogenetics:** 7 E3

**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.[UniProtKB/Swiss-Prot Function]