

## Product datasheet for **MC212349**

### Syt12 (NM\_134164) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syt12 (NM\_134164) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syt12  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212349 representing NM\_134164  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCGTGGACGTGACAGAATATCATCTGAGCGTCATCAAGAGCCCCCAGGCTGGGAGGTGGGTGTCT  
ATGCTGCCGGGGCCCTGGCTCTGCTGGGAATTGCTGCTGAGTCTATGGAAGCTCTGGACATCGGGGAG  
CTTCCCCAGCCCCTCCCGTTCCCTAATTACGACTACAGGTACCTGCAGCAGAAATATGGAGAGGCCTAT  
GTGGAGGCTAAGCTGAAGCGGGTCCCTCCTTGGAAATGACCAGCGGACCACTACTCGGGGACCACCCAGCC  
GCAAAGGCAGCCTTAGTATAGAAGACACCTTTGAAAGCATCAGTGAAGCTGGGACCCCTGGAGCTGATGGG  
CCGGGAACTGGACTTAGCCCCCTATGGTACTCTCCGAAAGTCACAGTCCGCTGACTCTCTGAATTCATC  
TCCTCTGTGAGCAACACCTTTGGGCAGGATTTACCCCTGGGCCAGGTGGAGGTGAGCATGGACTATGATG  
GAGCCTCCACACCCTCCACGTGGCAGTACTACAAGGCAAAGACCTCCTGGAGCGCGAGGAGGCCACCTT  
CGAGTCTGCTTCATGCGTGTGAGTCTGCTGCCAGACGAACAGATCGTGGGCATCTCCCGATCCAGAGG  
AATGCCTATTCCATCTTCTTCGATGAGAAGTTCTCTGTCCCCCTGGATCCACAGCCCTGGAGGAGAAGA  
GCCTTAGATTTTCTGTGTTTGGTATCGACGAGGATGAGCGGAATGTGAGCACCGGCTGGTGGAGCTGAA  
GCTGTCCGTTCTGGATCTCCCGCTGCAGCCCTCAGTGGCTGGCTATACTTGCAGGACCAGAATAAGGCT  
GCTGACGCTGTGGGAGAGATCCTGCTGTCCCTCAGTTACCTGCCACAGCTGAGCGGCTGACTGTGGTTG  
TGGTGAAGCCAAAGAATCTCATCTGGACCAATGAGAAGAGCACAGCAGACCCCTTCGTCAAAGTATACCT  
GCTGCAGGATGGGAGGAAAATGAGCAAGAAGAAGACGGCTGTGAAGAGGGATGACCCCAACCCAGTGTTT  
AACGAAGCCATGATCTTCTCAGTGCCAGCCATTGTGCTACAGGACCTGTCTCTCCGGGTGACAGTGGCTG  
AGAGCAGCAGCGACGGCCGTGGGGACAACGTGGCCATGTCATCATTGGGCCAGGGGTGAGTGGCATGGG  
CACCACACATTGGAACAGATGCTGGCCACACTACGCAGGCCTGTGTCCATGTGGCATCCAGTCCGGCGA  
AACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_134164
<b>Insert Size:</b>	1266 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>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>	<a href="#">NM_134164.5</a> , <a href="#">NP_598925.1</a>
<b>RefSeq Size:</b>	3277 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	171180
<b>UniProt ID:</b>	<a href="#">Q920N7</a>
<b>Cytogenetics:</b>	19 A
<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.[UniProtKB/Swiss-Prot Function]