

## Product datasheet for **RN203399**

### Syt1 (NM\_001033680) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syt1 (NM\_001033680) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syt1  
**Synonyms:** P65  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203399 representing NM\_001033680  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGAGTGCCAGTCATCCTGAGGCCCTGGCCGCCCTGTCACCACTGTTGCGACCCTGTCCCACACA  
ATGCCACTGAGCCAGCCAGTCCTGGGGAAGGGAAGGAAGATGCCTTTTCCAAGCTGAAGCAGAAGTTTAT  
GAATGAGCTGCATAAAATTCCATTGCCACCGTGGGCCTTAATAGCCATAGCCATAGTTGCGGTCTTTTA  
GTCGTAACCTGCTGCTTTTGTGTCTGTAAGAAATGTTTGTTCAAAAGAAAACAAGAAGAAGGGGAAGG  
AAAAGGGAGGAAAGAACGCCATTAACATGAAAGACGTGAAAGACTTAGGGAAAGACCATGAAGGATCAGGC  
CCTTAAGGATGACGATGCTGAAACCGGACTGACTGATGGAGAAGAAAAGGAAGAGCCCAAGGAAGAGGAG  
AAACTGGGAAAGCTCCAATATTCCTGACTGACTATGACTTCCAGAATAACCAGCTGTTGGTGGGAATCATCC  
AGGCTGCTGAAGTGCCTGACTGGACATGGGGGTACATCCGATCCATACGTCAAAGTCTTCTGCTGCC  
TGACAAAAGAAGAAATTTGAGACTAAAGTCCACCGGAAAACCTCAATCCAGTCTTCAATGAACAATTT  
ACTTTCAAGGTGCCCTACTCGGAATTAGGTGGCAAACCCTGGTATGGCTGTGTATGACTTTGATCGCT  
TCTCCAAGCATGACATCATCGGAGAGTTCAAAGTTCCTATGAACACCGTGGATTTTGCCATGTGACCGA  
GGAGTGGCGTGATCTCCAGAGCGCTGAGAAAGAAGAGCAAGAGAACTGGGTGACATCTGCTTCTCCCTC  
CGTACGTCCCTACTGCCGGCAAACCTGACTGTTGTCTTCTGGAAGCCAAGAACCTGAAGAAGATGGATG  
TGGGTGGCTTATCTGATCCCTACGTGAAGATTCACCTGATGCAGAACGGTAAGAGGCTGAAGAAGAAAA  
GACGACGATTAAGAAGAACACACTCAACCCCTACTACAACGAGTCCTTCACTTTGAAGTTCCGTTTCGAG  
CAAATCCAGAAAGTGCAAGTGGTGGTAAGTGTGGTGGACTATGACAAGATTGGCAAGAACGACGCCATCG  
GCAAAGTCTTCGTTGGTTACAACAGCACTGGGGCGGAGCTGCGACTGGTCAGACATGCTGGCCAACCC  
CCGGCGACCCATCGCACAGTGGCACACTCTGCAGGTAGAGGAGGAGTTGATGCCATGCTGGCTGTCAAG  
AAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001033680
<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>	<u><a href="#">NM_001033680.2</a></u> , <u><a href="#">NP_001028852.2</a></u>
<b>RefSeq Size:</b>	1896 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	25716
<b>UniProt ID:</b>	<u><a href="#">P21707</a></u>
<b>Cytogenetics:</b>	7q21
<b>Gene Summary:</b>	integral component of synaptic vesicle membranes; important for exocytosis and vesicle trafficking to the active zone of synapses; may be the calcium sensor for calcium-dependent exocytosis [RGD, Feb 2006]