

## Product datasheet for **RN201434**

### Syt4 (NM\_031693) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syt4 (NM_031693) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syt4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201434 representing NM_031693 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCTATCACCACCAGCCGCGTGAATTCGATGAAATCCCACAGTGGTGGGCATCTTCAGTGCTT  
TTGGCCTGGTCTCACTGTGTCTCTCTTTGCCTGGATCTGCTGCCAGAGAAGATCCGCTAAGTCCAACAA  
GACTCCTCCATACAAGTTGTGCACGTGCTTAAAGGAGTTGATATCTACCCAGAAAACCTAAGTAGCAAA  
AAGAAGTTTGGAGGAGATGACAAGAGTGAAGCAAAGCGTAAAGCAGCTTTGCCTAACCTTTCCCTGCACC  
TTGATCTCGAAGAACGAGACCTCAATGGCAATTTCCCAAAACCAACCCAAAGCTGGCAGCTCTTCTGA  
TCTGGAAAATGTCACCCAAAGCTTTCCGGAGACGAAAAGGAGGCCGTCTCCCTGAGAGCTTGAAG  
TCCAGCACTTCCCTCACTTCAGAGGAGAAAACAAGAGAAGCTGGCACTCTTCTGTCTCTAGAGTACA  
ACTTCGAGAAGAAAGCATTGTGGTGAACATCAAGGAAGCCAGGGCTTACCAGCCATGGATGAACAATC  
CATGACCTCTGACCCATACATCAAGATGACAATCTTACCAGAGAAGAAGCACAAAGTAAAACCAGAGTG  
CTGAGGAAGACGCTGGACCCCGTGTGACGAAACCTTACATTCTATGGGGTCCCTTATCCCCACATCC  
AAGAGCTGTCCCTGCCTCACCTGCTGAGTTTGGACAGTTCTCAAGAGATGATGTCATTGGAGAAGT  
CCTCGTTCCTCTTTCAGGGATTGAATTTGACAGCGGAAAATGTTAATGACCAGAGAGATCATCAAGAGA  
AATGCTAAGAAGTCTTCTGGACGGGGTGAACCTTCTGGTCTCCCTCTGTTATCAGTCCACTACAAACACGC  
TCACTGTGGTGTCTTAAAAGCGCGCCCTACCGAAATCTGATGTGTCTGGACTTTCAGATCCCTACGT  
CAAAGTGAACCTGTACCATGCCAAGAAGAGAATCTCTAAAAGAAGACTCATGTGAAAAGTGCCTCCC  
AACGCAGTGTCAACGAAGTGTGTTGATTTGATATCTTGTGAGAGTCTTGAAGAAATAAGTGTGAAAT  
TTTTAGTTTTGGATTCTGAAAGGGGATCCCGAAATGAGGTGATCGGGCGGTTGGTCTGGGTGCCACAGC  
AGAAGGAAGTGGTGGGGGCCTGGAAGGAGATCTGTGACTTCCCGAGGAGACAAATTGCTAAGTGGCAT  
ATGCTCTGTGATGGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_031693
<b>Insert Size:</b>	1278 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_031693.2</a></u> , <u><a href="#">NP_113881.1</a></u>
<b>RefSeq Size:</b>	3877 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	64440
<b>UniProt ID:</b>	<u><a href="#">P50232</a></u>
<b>Cytogenetics:</b>	18p12
<b>Gene Summary:</b>	may play a role in synaptic vesicle transport; may be involved in synaptic changes in response to seizure activity [RGD, Feb 2006]