

## Product datasheet for RN213199

### Syp (NM\_012664) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syp (NM\_012664) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syp  
**Synonyms:** Syp1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213199 representing NM\_012664  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACGTGGTGAATCAGCTGGTGGCTGGGGTCCAGTTCGGGTGGTCAAGGAGCCCTTGGCTTCGTGA  
AGGTGCTGCAGTGGTCTTTGCCATCTTCGCCTTTGCTACGTGTGGCAGCTACACCGGGAGCTTCGGCT  
GAGCGTGGAGTGTCCAACAAGACGGAGAGTGCCTCAACATCGAAGTTGAATTCGAGTACCCCTCAGG  
CTGCACCAAGTGTACTTTGATGCACCCTCCTGCGTCAAAGGGGGCACTACCAAGATCTTCCTGGTTGGGG  
ACTACTCCTCGTCGGCTGAATTCTTTGTACCCTGGCTGTGTTTGCCTTCTCTACTCCATGGGGGCCCT  
GGCCACCTACATCTTCCTGCAGAACAAGTACCGAGAGAACAACAAGGGCCTATGATGGACTTTCTGGCT  
ACAGCCGTGTTTCGCTTTCATGTGGCTAGTTAGTTCATCAGCCTGGGCCAAAGGCCTGTCCGATGTGAAGA  
TGGCCACGGACCCAGAGAACATTATCAAGGAGATGCCCATGTGCCGCCAGACAGGGAACACATGCAAGGA  
ACTGAGGGACCCGTGACTTCAGGACTCAACACCTCAGTGGTGTGGCTTCCTGAACCTGGTGTCTGG  
GTTGGCAACTTATGGTTCGTGTTCAAGGAGACAGGCTGGGCAGCCCCATTATGCGCGCACCTCCAGGCC  
CCCCGAAAAGCAACCAGCACCTGGCGATGCCTACGGCGATGCGGGCTACGGGCAGGGCCCCGGAGGCTA  
TGGGCCCCAGGACTCCTACGGGCCTCAGGGTGGTTATCAACCCGATTACGGGCAGCCAGCCAGCGGTGGC  
GGTGGCTACGGGCCTCAGGGCGACTATGGGCAGCAAGGCTATGGCCAACAGGGTGCGCCACCTCCTTCT  
CCAATCAGAT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012664  
**Insert Size:** 924 bp



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<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_012664.3</a> , <a href="#">NP_036796.1</a>
<b>RefSeq Size:</b>	2357 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	24804
<b>UniProt ID:</b>	<a href="#">P07825</a>
<b>Cytogenetics:</b>	Xq12
<b>Gene Summary:</b>	may play a role in synaptic vesicle organization and synaptic plasticity [RGD, Feb 2006]