

Product datasheet for **RN200395**

Syn2 (NM_019159) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn2 (NM_019159) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200395 representing NM_019159
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGATGAACCTTCCTGAGCGCCGCTGTGCGACAGCAGCTTCATTGCCAACCTGCCAATGGCTACATGA
 CTGACCTTCAGCGCCCGGAGCCGAGCAGCCCCACCGCCCTGGCCCCGTACCGCTACCGCGTCGGC
 GGCCACCTCAGCTGCCTCGCCTGGCCCCGAGCGCAGGCCGCCACCGCCAGGCACCGCGCCGAGCCG
 GCGCCGAGCCCGCGCCGACGCCGTGGTGGGAGCAGCTTCTTCAGCTCGCTGTGCAAGCCGTGAAGC
 AGACGGCCGCTCCGCCGCTGGTGGACGCGCCGCGCTTCGGCCGCTTCAGGAAGGCCAAGGTGCT
 GCTGGTGGTCGACGAGCCGACACCGACTGGGCCAAGTCTTCGGGGCAAAAAATCCTTGAGATTAT
 GACATCAAAGTAGAACAGGCAGAATTTTCAGAGCTTAACCTGGTGGCCATGCGGATGGAACCTACGCCG
 TGGACATGCAGGTAATCCGGAATGGCACAAGGTTGTCAGGTCTTCAGGCCAGACTTCGTGCTCATCCG
 ACAGCATGCATTTGGCATGGCGGAGAATGAAGACTTCCGCCACCTGGTCATTGGCATGCAGTATGCAGGC
 CTCCCCAGCATCAACTCACTGGAGTCCATTTACAACCTTCTGTGACAAGCCATGGGTGTTTGCTCAGATGG
 TGGCCATCTTCAAGACTGGGAGGGGAGAAATTTCACTCATTGAGCAGACCTACTACCCCAATACCCG
 AGAGATGCTTACACTTCTACGTTTCTGTGCTGGTGAAGATTGGCCATGCTCACTCGGGCATGGGCAAG
 GTCAAAGTGGAATCACTACGACTTCCAGGACATTGCCAGTGTGGTGGCCCTCACCCAAACCTATGCCA
 CAGCAGAACCTTCATTGACGCCAAGTATGACATCCGGGTTGAGAAGATTGGCAACAACTACAAGGCTTA
 CATGAGGACATCCATCTCAGGGAAGTGAAGACAAACTGGCTCCGCGATGCTGGAGCAGATCGCCATG
 TCAGACCGGTACAAGCTCTGGGTCGACGCTGCTCTGAGATGTTGGGGGCTTGACATCTGTGCAGTCA
 AAGCTGTGCATGGCAAAGATGGCAAAGACTACATTTTGGAGTCATGGACTGTAGCATGCCACTGATTGG
 GGAACACCAAGTGGAGGACAGACAATCATCACTGATCTAGTCATCAGCAAGATGAACCACTATTGTCC
 AGGACTCTGCCCTGTCTCCACAGAGACCTTTAACCAACCAACAGCCACAGAGTGAACACTTAAGGAAC
 CGGACTCCAGCAAGACCCCTCTCAGCGGCCAGCCCCCAAGGTGTTTACAGTATATTCTCAACTGTAA
 TGGCATTCAGTAGGTCCAAACAAGTCCAAGCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_019159
- Insert Size:** 1440 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_019159.1, NP_062032.1

RefSeq Size: 1754 bp

RefSeq ORF: 1440 bp

Locus ID: 29179

UniProt ID: Q63537

Cytogenetics: 4q42

Gene Summary: neuronal phosphoprotein that coats synaptic vesicles; binds to the cytoskeleton; may be important for vesicle trafficking to synapses and for the regulation of neurotransmitter release [RGD, Feb 2006]