

Product datasheet for **RN200460**

Syn1 (NM_019133) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn1 (NM_019133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200460 representing NM_019133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTACCTGCGGCGCCGCTGTCGGACAGCAACTTCATGGCCAATCTGCCTAATGGGTATATGACAG
 ACCTGCAGCGCCCGCAACCACCTCCGCCGCCCTCAGCCGCCAGCCCTGGGGCCACTCCCGGATCCGC
 TGCTGCCTCTGCCGAGAGGGCTCCACAGCTGCTCCAGTGGCTCTCCAGCAGCCCTAGTCCCGGGTCC
 TCGGGGGCGGTGGCTTCTTCTCCTCGTGTCTAACCGGTCAAACAGACCACAGCAGCTGCAGCCGCCA
 CCTTCAGTGAGCAGTGGCGGTGGCTCTGGGGCGCAGGCCGCGGGGGCCCGCCAGGGTGTCTGT
 GGTTCATCGACGAGCCGCACACCGACTGGGCAAACTTCAAAGGGAAGAAGATCCATGGAGAAATTGAC
 ATTAAGTAGAGCAAGCTGAATTCTCCGATCTCAATCTTGTGGCTCATGCCAATGGTGGATTCTCCGTGG
 ACATGGAAGTTCTCGGAATGGGTCAAAGTTGTGAGGTCTCTGAAGCCAGACTTTGTGCTGATCCGCCA
 GCATGCCCTCAGCATGGCAGTAATGGAGACTACCGCAGTTTGGTCATTGGGCTGCAGTATGCTGGGATC
 CCCAGTGTAACTCTTTGCATTCTGTCTACAACCTTTGTGACAAACCCTGGGTGTTTGCCAGATGGTTC
 GACTACACAAGAAGCTTGAACAGAGGAATCCCTCTGATTGATCAGACTTTCTATCCCAATCATAAAGA
 GATGCTCAGCAGCACAACATACCCTGTAGTTGTGAAGTGGGCCACGCACACTCTGGGATGGGCAAGGTC
 AAGGTAGACAACCAACATGACTTCCAGGATATTGCAAGTGTGTGGCACTGACTAAGACATATGCCACTG
 CTGAGCCCTTCATTGATGCTAAATACGATGTGCGTGTCCAGAAGATTGGGCAGAACTACAAGGCCTACAT
 GAGGACATCAGTGCAGGAACTGGAAGACCAATACAGGCTCTGCTATGCTTGAGCAGATTGCTATGTCT
 GACAGGTACAAGTTGTGGTGTAGACAGTGTCTCAGAGATTTTGGGGACTTGACATCTGCCAGTGGAAAG
 CACTGCATGGCAAGGACGGAAGGGATCACATTATTGAGGTGGTGGCTCCTCCATGCCACTATTGGGGA
 TACCAGGATGAAGACAAGCAGCTCATCGTGGAACTTGTGGTCAACAAGATGACTCAGGCTCTGCCTCGG
 CAGCGGGATGTTCCCTGGCAGGGTCCACAGCCAGACTCCATCCCCAGGAGCCCTGCCCTTGGGCC
 GCCAGACCTCCCAGCAGCTGCAGGACCTCCTGCTCAACAACGACCCCCACCCAGGGAGGCCCTCCACA
 ACCAGGCCCAGGACCTCAGCGCCAGGGACCCCGCTGCAACAGCGCCACCCCAAGGCCAGCAACAT
 CTTTCTGGCCTTGGACCCCGCTGGCAGCCCTCTGCCAGCGCTACCAAGTCCACAGCAGCACCTC
 AGCAGTCCGCTCTCAGGCCACCAATGACCCAGGGTCAAGGCCCCAGTCACGGCCAGTGGCAGGAGG
 CCCCAGGACCTCCAGCAGCCCGCCCGCCCTCCCATCTCCACAGCGTCAGGCAGGGCCCCACAG
 GCTACCCGTGAGCATCTATCTCTGGTCCAGCTCCACCAAGGTCTCAGGAGCCTCACCCGAGGGCAGC
 AGCGCAAGGCCCTCCCAGAAACCCAGGCCCTGCTGGTCCCATTCTGAGGCCAGCCAGGCAGGTCC
 CGGACCTCGCACTGGGCCACCCACCACACAGCAGCCCGCCAGCGGCCAGGTCTGCTGGACGTCCC
 ACCAAACACAGCTGGCTCAGAAACCCAGCCAGGATGTGCCACCACCCATCATTGCTGCTGCCGGGGAC
 CCCCAGCCCGAGCTCAACAAATCCCAGTCTCTGACCAATGCCTTCAACCTTCCAGAGCCAGCCCGCC
 CAGGCCAGCCTTAGCCAGGATGAGGTGAAAGCTGAGACCATCCGCAGCCTGAGGAAGTCTTTCGCCAGC
 CTCTTCTCCGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019133

Insert Size: 2115 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:	<ol style="list-style-type: none">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_019133.2 , NP_062006.1
RefSeq Size:	3184 bp
RefSeq ORF:	2115 bp
Locus ID:	24949
UniProt ID:	P09951
Cytogenetics:	Xq11
Gene Summary:	may act as an anchoring protein by linking the vesicle phospholipid layer and the cytoskeleton in neuronal presynaptic terminals; may play a role in neurotransmitter release [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longer isoform (a).