

Product datasheet for **MC219282**

Syn2 (NM_001111015) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn2 (NM_001111015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syn2
Synonyms:	2900074L19Rik; AI836018; AI841723
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219282 representing NM_001111015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAACCTTCTGAGGCGCCGGCTGTCGGACAGCAGCTTCATCGCCAACCTGCCAATGGCTACATGA
 CTGACCTTCAGCGCCCGAGCCGAGCAGCCCTCCTGCCCTGGCCCGGTGCCGCTACGGCGTCGGC
 GGCCACCTCAGCTGCCTCGCCCGTCCCAGCGCAGGCCGCCACCCGCCAGGCACCCGCCCGCAGCCG
 GCGCCGACGCCGCGCCGACGCCGTCGGTGGGACGAGCTTCTCAGCTCGCTGTCGCAAGCGGTGAAGC
 AGACGGCCGCTCCGCCGCTGGTGGACGCGCCGCACCTTCGGCCGCTCCAGGAAGGCCAAGGTGCT
 GCTGGTGGTCGACGAGCCGCACCCGACTGGGCCAAATGCTTTCGGGGCAAAAAAATCCTTGAGATTAT
 GACATCAAGGTGGAACAGGCAGAATTCAGAGCTTAACCTGGTGGCCATGCAGATGGAACCTACGCCG
 TGGACATGCAGGTAATTCGGAATGGCACAAGGTTGTCGGTCCCTCAGACCAGACTTTGTGCTCATCCG
 ACAGCATGCATTTGGCATGGCAGAGAATGAAGACTTCCGCCACCTGGTCATTGGCATGCAGTACGCAGGC
 CTCGCCAGCATCAACTCTCTGGAGTCTATTTACAACCTTCTGTGACAAGCCGTGGGTGTTTGTCTCAGATGG
 TGGCCATCTTCAAGACTGGGAGGGGAGAAATCCCACCTCATTGAGCAGACATACTACCCCAATACCCG
 AGAGATGCTTACGCTTCCCTACGTTCCCTGTGGTGGTGAAGATTGGCCATGCTCACTCAGGCATGGGCAAG
 GTCAAAGTGAAAATCACTACGACTTCCAGGACATTGCCAGTGTGGTGGCCCTCACCCAACTTATGCCA
 CGGCAGAACCTTTCATCGACGCCAAGTATGACATCCGAGTTCAGAAGATTGGCAACAACAAGGCCTA
 CATGAGGACATCCATCTCAGGGAAGTGAAGACAAACTGGCTCGGCGATGCTGGAGCAAATGCCATG
 TCGGACCGGTACAAGCTCTGGGTAGATGCCTGCTCTGAAATGTTGGTGGCCTGGACATCTGTGCAGTCA
 AAGCCGTGCATGGCAAAGATGGCAAAGACTACATTTTGGAGTCACTGGACTGCAGCATGCCATTGATTGG
 GGAACCAAGTGGAGGACAGACAACCTCACTGATCTAGTCATCAGCAAGATGAACCAGCTATTGTCC
 AGGACTCCTGCCCTGTCTCCACAGAGACCTTTAACCCCAACAGCCACAGAGTGAACACTTAAGGAAC
 CGGACTCCAGCAAGACCCCTCCTCAGCGCCACCTCCCCAAGGGGGCCCTGGGCAACCCCAAGGAATGCA
 GCCCCAGGCAAGGTGCTGCCTCCACGCGCGCTCCCTCGGGACCATCACTGCCATCTTCTCTCTTCC
 TCCTCCTCTTCTCTCTTCTTCTCGGCTCCTCAGAGGCCGGGGCGGCCACCACCACCCACGGTGATG
 CATCCTCCAGCAGCAACTCCCTGGCAGAGGCCAGGCACCTCAGGCTGCTCCAGCACAGAAGCCCCAGCC
 TACCCACAGCTCAACAAGTCGAGTCCCTGACAAATGCGTTAGCTTCTCTGAGTCTCTCTTCTCCGG
 TCTTCAGCAATGAAGATGAAGCCAAAGCGGAGACCATCCGGAGCTTGAGGAAGTCTTTGCCAGCCTCT
 TTTCAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001111015

Insert Size: 1761 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_001111015.1](#), [NP_001104485.1](#)

RefSeq Size: 3343 bp

RefSeq ORF: 1761 bp

Locus ID: 20965

UniProt ID: [Q64332](#)

Cytogenetics: 6 53.2 cM

Gene Summary: Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. May play a role in noradrenaline secretion by sympathetic neurons.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (IIa) encodes the longer isoform (IIa). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.