

Product datasheet for **MC218251**

Syn2 (BC085129) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn2 (BC085129) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syn2
Synonyms:	2900074L19Rik; AI836018; AI841723
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC085129
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACTTCTGAGGCGCCGGTGTCTGGACAGCAGCTTCATCGCCAACCTGCCAATGGCTACATGACTG
 ACCTTCAGCGCCCGAGCCGAGCAGCCCTCCTGCCCTGGCCCGGTGCCGCTACGGCGTCGGCGGC
 CACCTCAGCTGCCTCGCCGGTCCCGAGCGCAGGCCGCCACCCGCCAGGCACCCGCGCCGAGCCGGC
 CCGCAGCCCGCGCCGACGCCGTGGTGGGACGAGCTTCTCAGCTCGCTGTGCAAGCGGTGAAGCAGA
 CGGCCGCTCCGCGGCCGTTGGTGGACGCGCCGACCTTCGGCCGCTCCAGGAAGGCCAAGGTGCTGCT
 GGTGGTCGACGAGCCGACACCGACTGGGCCAAATGCTTTCGGGGCAAAAAATCCTTGGAGATTATGAC
 ATCAAGGTGGAACAGGCAGAATTCTCAGAGCTTAACCTGGTGGCCATGCAGATGGAACCTACGCCGTGG
 ACATGCAGGTAATTCGGAATGGCACAAGGTTGTCCGGTCTTCAGACCAGACTTTGTGCTCATCCGACA
 GCATGCATTTGGCATGGCAGAGAATGAAGACTTCCGCCACCTGGTCATTGGCATGCAGTACGAGGCCTC
 CCCAGCATCAACTCTCTGGAGTCTATTTACAACCTCTGTGACAAGCCGTGGGTGTTTGTCTCAGATGGTGG
 CCATCTTCAAGACTGGGAGGGGAGAAATCCCACTCATTGAGCAGACATACTACCCCAATCACCGAGA
 GATGCTTACGCTTCTACGTTCCCTGTGGTGGTGAAGATTGGCCATGCTCACTCAGGCATGGGCAAGGTC
 AAAGTGGAAAATCACTACGACTTCCAGGACATTGCCAGTGTGGTGGCCCTCACCCAACTTATGCCACGG
 CAGAACCCTTCATCGACGCCAAGTATGACATCCGAGTTCAGAAGATTGGCAACAATAAAGGCCTACAT
 GAGGACATCCATCTCAGGAACTGGAAGACAAACTGGCTCGGCATGCTGGAGCAAATGGCCATGTGCG
 GACCGGTACAAGCTCTGGTAGATGCCTGCTCTGAAATGTTTGGTGGCTGGACATCTGTGCAGTCAAAG
 CCGTGCAATGGCAAAGATGGCAAAGACTACATTTTGGAGTCAAGTGCAGATGCCATTGATTGGGGA
 ACACCAAGTGGAGGACAGACAACCTCATCTAGTCTAGTCATCAGCAAGATGAACCAGCTATTGTCCAGG
 ACTCCTGCCCTGTCTCCACAGAGACCTTTAACCACCAACAGCCACAGAGTGAACACTTAAAGAACCGG
 ACTCCAGCAAGACCCCTCCTCAGCGCCACCTCCCAAGGGGGCCCTGGGCAACCCCAAGGAATGCAGCC
 CCCAGGCAAGGTGCTGCCTCCACGCCGGTCCCTCGGGACCATCACTGCCATCTTCTTCTTCTCTCC
 TCTTCTTCTCTTCTTCTTCTCGGCTCCTCAGAGGCCGGGCGGCCACCACCACCCACGGTATGCAT
 CCTCCAGCAGCAACTCCCTGGCAGAGGCCAGGCACCTCAGGCTGCTCCAGCACAGAAGCCACGCTCA
 CCCACAGCTCAACAAGTCGAGTCCCTGACAAATGCGTTCAGCTTCTCTGAGTCTCTTCTTCCGGTCT
 TCAGCCAATGAAGATGAAGCCAAAGCGGAGACCATCCGGAGCTTGAGGAAGTCTTTGCCAGCCTTTTT
 CAGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC085129
Insert Size: 1758 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: [BC085129](#), [AAH85129](#)

RefSeq Size: 2563 bp

RefSeq ORF: 1757 bp

Locus ID: 20965

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]