

Product datasheet for **MC201687**

Syn1 (NM_013680) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn1 (NM_013680) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syn1
Synonyms:	Syn-1; Syn1-S
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC022954 sequence for NM_013680
 AGTCGCGTCGTGCCAGAGAGCACC GCCGTGCTCCTGAGCCCTCGCGCTCCGCCCCCGGGCCACAGAC
 CCACTGCCCTTGGATCCCCTGCCCCACGCCACCATGAACTACCTGCGGGCCGCGCTGTCCGACAGC
 AACTTCATGGCCAATCTGCCAATGGGTACATGACAGACCTGCAGCGCCCGCAACCGCCCCCGCGCCTC
 CCTCGGCCCGCAGCCCTGGGGCCACGCCGGCTCCGCGACAGCCTCTGCCGAGAGGGCTCCACAGCTGC
 TCCAGTGGCTTCTCCAGCAGCCCTAGTCTGGGTCTCGGGGGCGGGCTTCTTCTCGTCTGTGTCT
 AACGCGGTCAAGCAAACACAGCAGCCGACGCCACCTTCAGCGAGCAGGTGGCGGTGGCTCTGGGG
 GCGCAGGCGCGGGGCGCCGCCAGGGTGTCTGGTTCATCGACGAACCGCACACCGACTGGGCAAA
 ATACTTCAAAGGAAGAAGATCCATGGAGAAATTGACATTAAGTAGAGCAAGCTGAATTCTCTGATCTC
 AATCTTGTGGCTCATGCCAATGGTGGATTCTCTGTGGACATGGAAGTTCTTCGGAATGGAGTCAAAGTTG
 TGAGGTCTCTGAAGCCAGACTTTGTGCTGATCCGCCAGCATGCCTTCAGCATGGCACGTAATGGAGACTA
 CCGAAGTTTGGTATTGGGCTGCAGTATGCTGGAATCCCCAGTGTAACTCTTTCATTCTGTCTACAAC
 TTCTGTGACAAACCTGGGTGTTTGCCAGATGGTTCGACTACACAAGAAGCTTGAACAGAGGAATTCC
 CTCTGATTGATCAGACTTCTATCCTAATCACAAGAGATGCTCAGCAGCACAAACATACCCTGTGGTTGT
 GAAGATGGGCCACGCACATTCTGGGATGGCAAGGTCAAGGTAGACAACCAACATGACTTCCAGGATATT
 GCAAGTGTGTGGCACTGACTAAGACATATGCCACTGCTGAGCCCTTCATTGATGCTAAATATGATGTGC
 GTGTCCAGAAGATTGGGCAGAACTACAAGGCCATACATGAGGACATCAGTGTCCGGTAACTGGAAGACCAA
 TACAGGTTCTGCTATGCTTGAGCAGATTGCCATGTCTGACAGGTACAAGTTGTGGGTAGACACGTGCTCA
 GAGATTTTGGGGACTTGACATCTGCGCAGTGGAAAGCGTGCATGGCAAGGACGGAAGGGATCACATTA
 TTGAGGTGGTGGGCTCCTCCATGCCACTCATTGGTGTACACCAGGATGAAGACAAGCAGCTCATCGTGA
 ACTTGTGGTCAACAAGATGACTCAGGCTCTGCCTCGGCAGCCGCAGCGGGATGCTTCCCCTGGCAGGGGC
 TCCCACAGCCAGTCTTCATCCCCAGGAGCCCTGACCTTGGGCCCGCAGACCTCCCAGCAGCTGCAGGTC
 CTCTGTCAACAACGACCCCCACCCAGGGAGGCCCTCCACAGCCAGGCCAGGACCTCAGCGCCAGGGG
 ACCCCCGCTGCAGCAGCGCCACCCCAAGGCCAGCAACATCTTTCTGGCCTTGGACCGCCAGTGGC
 AGCCCTCTGCCTCAGCGCTACCAAGTCCACCCAGCACCTCAGCAGTCTGCCTCTCAGGCCACACCAG
 TGACCCAGGGTCAAGGCCCGCAGTCCGGCCAGTGGCAGGAGGCCCTGGAGCACCTCCAGCAGCGCGCC
 ACCAGCTCCCCATCTCCACAGCGTCCAGCGGGGGCCCCGAGGCTACCCGTCCAGGCATCTATCTGGT
 CCCACTCGTCCAGCCAGTCCAGCAGTCCCGGACCTCGCACTGGGCTCCCACCACAGCAGCCCCGGC
 CCAGCGGCCAGGCTCTGCTGGACGTCCCGCAAACCACAGCTGGCCAGAAACCAGCCAGGATGTGCC
 ACCACCATCACCGCCGTGCCGGGGACCCCCGACCCCAAGTCAACAATCCCAGTCTCTGACCAAT
 GCCTTCAACCTTCCAGAGCCAGCCCTCCAGGCCAGCCTTAGCCAGGACGAGGTGAAAGCTGAGACCA
 TCCGACAGCTGAGGAAGTCTTTCGCCAGCTCTTCTCCGACTGACATCCCACTCTGAGAACCCTAAACC
 CCTAGACAGCCCTCTCTGGTCTGAGTCCATTTCTCACTTTTGGAACTCCAAATCCCCTGAGAACCC
 TCTCTGGTTCTCCTAGAGCCACTTCTCATTCTCAGTATGTCCCTTGAGAACTGGTCTAAATCCA
 GTTCTCACATTTGGGAATCCCCAAGTCCATTTAGAATCCTGTCTGGTCCACTCCAGATCTGTTTGA
 ACCTCCAAACTCCTGAAGACCTCTACTTCTGGTACATCTAAAGGGTGATTTCTTCCCTGAAAGTTCTGA
 ATGGCAGAAAACCTGTTTCTGACCTAATACATCGAATCCTCTCCTGGAGCTCTGAAATCCTGAAAAAC
 CTATTCTACTCTTGGTCTGAATCTCTCAACACACCTTGCTCCTAATCAGAAATTTCCAATCCATAAG
 AAGCCCCTATCCTTAAACCTCTCCATAGGTCACTCTCTGGAGATCCACATCTTCAAATGCCACCTACC
 ATCCACCAAGCAGTCCCTCAAGGACTTCCCTTCACTCTTCTCTCCATCCCATTCAATATACTGGAAGT
 TCTTCCACTTCTAGGACCCCTAAGTTCCTCCTCCAGAAACCCCTCCCAATTTCTGCCTCTGACAGC
 TGTCTTTAAATATGAACTCCACCCATCCTCAGAATCCTTTGCAAGGAAGGCCTGTGGTCTCCCACT
 CCCCTACCTTTGCCAATGTGTTATCTGTGACTGACTTGGCTCCTTTTGTGCCATGCTTGGCATATGTG
 GTCCTATTATGCCGCTGTGGTAATGCGTACAGTGGCACTGTTTTTGTGGTCTGCATCTTCTCCAAC
 CTCCACTCCTTGCCTGGACTTGGCCACCCCTCAGCGGCTCTGAACCCCAAGAGAAGAGTCCGGAAGCA
 AAATAAACAGCAAAGGCCAGCAGAAA

Restriction Sites: RsrII-NotI
ACCN: NM_013680
Insert Size: 2037 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:	BC022954 , AAH22954
RefSeq Size:	3143 bp
RefSeq ORF:	2037 bp
Locus ID:	20964
UniProt ID:	O88935
Cytogenetics:	X 16.37 cM
Gene Summary:	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. Regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxide functions at a presynaptic level.[UniProtKB/Swiss-Prot Function]