

## Product datasheet for **SC214432**

### Synapsin II (SYN2) (NM\_133625) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Synapsin II (SYN2) (NM_133625) Human 3' UTR Clone
Symbol:	Synapsin II
Synonyms:	SYNII
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_133625
Insert Size:	1437 bp



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**Insert Sequence:** >SC214432 3'UTR clone of NM\_133625  
 The sequence shown below is from the reference sequence of NM\_133625. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGTCCTTTGCCAGCCTCTTTTCAGATTAGCTCTTCAGACACACGGGCACCCAGCCCAACCGGAAAG
GCATCTAAGACATTACCAACAACAGTCAGCCAGCTTGGTGGTTATGTCCCATGACCTTGACGTGTGTG
GTCCCTTCTCTGCTCTGTTGTACTAAGTGATGTTGTGCAGCCAGAAAGGACCATTTGACAGTCTCAG
GGCAGGTGCCTACCCAGCAAGGGGTACCTGGCATCAGAGAGGAAAGAGCTGCTTCCCTGTAGTCATGAG
AGCTTCTTCTGAAGTCATCGTTCGCTGTGAGTTAGTGGCCTTATTGTGACAGTGCCATCATGTCTTA
TTCTTCCCTGTGAAACCAGGATTAATCGTGGACTCCTGGCAGCTTAACCTAGCTCAGTTGCAGTGCTAA
GCATGCCCGCCCCATTCAAGTATACCTGTTTGGGAAGTATATACTTCCCAAAAGTACTTTGGCCC
TAAGTTTTAGGAACTTTCCCGACCTGGATCCCTTGTCATACCTGTGTTACTGTTTAAAGCACACCCAC
CCAACCTACAAGATCTTAGGCTGCTGTGGTGGTGAAGCACCTTGAGTCTGCTGATATTGGGAGAACAA
GGATCTGCAGTTTCCCCTTTTCTCCCCTCTGAAGAGTGGTCTTATGTGCAATCTGCAGTAACCTTGAA
CTCCAGAGCTGCACTATAGAGGAGAATGCATGCCACTATGACAGCAGTATGCCAAGCTTTGTGTTTCATC
TCCTAATAAACGTTAAGACCTTTGGTGTAAATAAAGCAGCAGCATTACCAACATTTGATTCAGCCATG
AGGTCTTGACCCCTTGGCCACCCCTTAGGCTGAGAGAGTGTCCATGAGGGGTGTGTGTGTGTGTGTGCT
TGAGTGTAGGGAGTGA AAAATCTAGGTGTGTGAAGCTGTTGTGTGTCAGTTGTGTGTGTGACTGCAGGT
GTACATGTGTTTGAAGTGTGTTGAGAATGTGTCTGTCTTACATACCACTTCTGGGCCTCTCGCACC
TCCCCAGTGAATCTGTCTCCTCCAAGACACCTAGCCTTCTTCCAGCAACTCAGCGTTTCTACCTATATT
ACGGACTTTGTAACCTTTCAAATAAGCACAGAACCCTTGCTCCCGGAGGAGTCAATTTAGACTCACTTG
CCTGGTCTATCATCAAGCTCCTCAGCTGAGGCCACATGGTGGTCCCAATGAGGCTGGACCAACCTGCT
CTGACAACCAGGCTCCCACAGATCTCAACGAAGGCATCCTAAAGAGGCCTGCAATTGAGGGTGGGCTCT
GAGGGATTTCACTCTGGCTGCTTCATGACTCCCTGATACTCAAGTATATTTCCAAAGACCACGGATG
CTGTGAAGATAAACACTACATCTGCACCAATAAAAAATCCATATATTTAAATGTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_133625.6](#)

**Summary:**

This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family encodes a neuron-specific phosphoprotein that selectively binds to small synaptic vesicles in the presynaptic nerve terminal. Polymorphisms in this gene are associated with abnormal presynaptic function and related neuronal disorders, including autism, epilepsy, bipolar disorder and schizophrenia. Alternative splicing of this gene results in multiple transcript variants. The tissue inhibitor of metalloproteinase 4 gene is located within an intron of this gene and is transcribed in the opposite direction. [provided by RefSeq, Feb 2014]

**Locus ID:**

6854

**MW:**

52.8