

## Product datasheet for **SC205526**

### Synaptotagmin V (SYT5) (NM\_003180) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Synaptotagmin V (SYT5) (NM_003180) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SYT5
ACCN:	NM_003180
Insert Size:	2000 bp



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**Insert Sequence:** >SC205526 3'UTR clone of NM\_003180  
 The sequence shown below is from the reference sequence of NM\_003180. 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
GACCGAGTGAGGCTGCTGCCTGCGCCCTGACTCCCACCCCAAGCCCCGGCCAAGCCTGGACTCTAGCC
CCTGACCCAGACTCCCAGACCGGCCAAAGCCAAGCCAGCCCCACCCTTAAGCTTCTCTGACGGTTA
CCCTCCCCCACCTTCCACCCCAACCATCTGAACCATTCTGTCTTCTCACCCCAACGATGCCAATCA
CGACAACCTTCCAGCACACTCCCCGACCTCGCGGACACACCCAGATGCCCCAGGGACCCCGGGAAGG
GAAGGCAGCCTGGTTTCTCTGCCCCCGGGTCTGCCCTGCTTTGACAATCAGCCATCCTCGTCTGC
TCTCTCTCTTCCAACACAGCCCATCCCTGCACTGCTCCTGGGGCCAAATAAATATTCAGCAGCTCC
GGTGGCCTGGGCCATGCTCCTTGATGGGGTGGCAAGGGCTGGGACCCAAGAGGAAACCTCGTTTCC
AGGAATGGGCGCTCGCAGGGCGGTGAGTGCTGTTTCGCTCTGAAAGCCTCTGAGAGACTGGCCTGACC
CCATGGACTCCCTCACACTCTCACCCGTTCACTTCTCACTCACTCACTCTGAGCCTGGGTTTCTCTCT
GGAGAATGTTGGGATAATAATAATTCTGCCACACGCTGGCTGTGAGGAGTCCGCGAGAACTCCCTTGC
TTGTCCATGAATTTATCCACTCGCTTGCTCACCCATGACTCACATCGATTTTCATACCCATTTCTGCAT
CCCTCCCTCCCTCTTTTTTTTCTTCTTCCATTCCATATTCCTGAGGTTCTTCTGTTGAGTGCTGGG
GCCCCAGAATATCCAAACACAGACTGACCCCAAGCGACTTACTGCCATCAAACAAGGAGAGGGCG
CGGAGCCAGGGAATAAATCTCCAGAGCCTGCGAGAGAGGTTGGAGTTCAGCAAGGAAAGCCAATGATT
TCAACTCACCTCTTTCTTTTTCTTTCTTTTTCTTTTTGTTTTCTTTCTGTCTTCTTTCTTTCTTT
CTTTTTCTTTGTTTTTTTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGAGATGAATC
TACTTTGTCGCCCAGGCTGGAGTGCAGTGGCAGGATTTGCGTCACTGCAAGCTCCTCCTCCCGGTT
CACGCCATTCTCCTGCCTCAGCCTCCGAGCAGCTGGGACTACAGGCGCCGCCACCACACCCGGCTAA
TTTTTTGTATTTTTAGTAGAGACGGCATTTCACCGTGTAGCCAGGATGATCTCGATCTCCTGACCTC
GTGATCCGCCCGCTCGGCCTCCAATGTGCTAGGATTACAGGCGTGAGCCACCGCGCCCGCCCTTCT
TCTTTCTTTCTTTCTATTTCTTTCTTCTTCTTTCTTTTTTTAATTTGAGACGGAGTTTCGCT
GTTGTTGCCAGAATGGAGGGCAATGGTGAATCTCGGCTCACCGCAACCCCTGCCTCCCGGTTCAAG
CGATTCTTCTGCCTCAGCCTCTTCTTTCTTTTTTTGACAGGGTTTCTCTGTGTACCCTGGCTGGAG
TGCGGTGGGGCAATCATAGCTCACTGCAGCCTCAACCTCCTGGGCTCAGGGGATCCTCCTGCCTCAGAC
TCCTGAGTAGCTGGGACCACAGGCACATGCAACCATGCCTAGCTAATTTTTCTTTCTTTCTTTCT
TTTTTAGAGATGGGTCTTGCTATGTTGCACAGGCTGGTTTCAAACCTCCTGCAATCCTCCTGTGTGAGT
AGCTGGGACTGTAGACATGAGCCGCCGATCTGACCTCATTGTTCTTTCAACGAATGCTGCCTCCTACT
CTGTTTCTAGCAAAGATGATAGTTCCATTGGCTTCTACCTTATCTCATCCCATACAGAAATTTGGGTGG
TGAACAAAGACCTATAAGATTTGGCCAGAGAACTCTGAGCAGCAGATTAAGTGGAGAATGAGGCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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\\_003180.3](#)

**Summary:** Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011]

**Locus ID:** 6861

**MW:** 72.8