

## Product datasheet for **SC214877**

### Synaptophysin (SYP) (NM\_003179) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Synaptophysin (SYP) (NM_003179) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SYP
Synonyms:	MRX96; MRXSYP
ACCN:	NM_003179
Insert Size:	1502 bp



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**Insert Sequence:** >SC214877 3'UTR clone of NM\_003179  
 The sequence shown below is from the reference sequence of NM\_003179. 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
GCACCCACCTCCTTCTCCAATCAGATGTAGTCTGGTCAGTGAAGCCAGGAGGACCTGGGGGGGCAAG
AGCTCAGGAGAAGGCCTGCCCCCTTCCACCCCTATACCTAGGTCTCCACCCCTCAAGCCAGGAGAC
CCTGTCTTTGCTGTTTATATATATATATATATAATAATATCTATTTATCTGTCTGAGCCCTGCCCT
CACTCCACTCCCCTCATCCACTAGGTGCCAGTCTTGAGTGGGCCCTCTTTACCCCGTCCCTTTCC
CTGCATCCCTTGGCCCTCTCTGTTTACCCTCCCTGTCCCTGAGGTTAAGGGGATCTAAAAGGAGGAC
AGGGAGGGAACAGACCTCGGCTGTGTGGGAGGGTGGGCGTGACTTCAGACTCTCTCTCTCTCCCT
CCTCCCTCCCACTCTGGCCTTGGTTCCTCCAGCAATGCCTGCCTGAACAAAGGCCGTTAGGAAATC
CAACTCCAGGGTTAAAGAAAGGCAGAGATTGGGGGGGCTTGGGGTAGAGAGGACAGTTTAGGCCAAG
GTGGTCTTGGAGAGGAGGTGTGGAGTGGAGGGGTGAGCAGGGGGGTTGGGTTCCAGACAGAGTGGATCT
GGAGTCTGAAGGAGAGGAGTGCCTAGAGCATTCTGGGGTGGGGCTTGAAGGGCGCTGAGGGCAGGGT
TCTAGAAGGGGCGAGGCTTAAAGCGAGGCAGAATGGTGGGCTCCAGAGTAGGTGGGCTTGGATTGGTA
CCAGAGCCTATGGAAAGGGTGTGGCTTGGAAACATTTGGGAGACTGAGCTTGATTCTAAAGGGGACAGAT
CTTGAGCAAGGCAAGAAGTGGGATTGAGCAATGGGCCAAGCCAGGGTCCAGACAGGGTGGGGCTTAGA
ATGGGGCTTCCATGGTGGTTTTCAGAAAGGCAGCCCTCCCATGGTGCAGTGAAGAAAATGTTTTACA
ATGGCTGGGTTTGGCAGTGGAGAGGGGACTTGGATAGGAGCTCCAGATGGGTTTTGTTAGGGTGGG
GGAGAATGGCTCTGGCTACGACTTGGGACGGAAGTGGCCTGAGAAGAGTGCAGTGATGGCTTGTAGG
GTGAGGCGTGGGATCCAGAGAGAAGCACCCACACACACCCTTCCCACTCCCGTGATGAAACAGC
TAGGTTAATAGGAGGACAGAACCACGGGTCTGTGGGACTGGCCACCCCTCTTCCCTTCCCTGCG
CCCTCCCTCCCTCCACACCTCCACCCGCTCTGGGGTGGTGGAGGCTGGTCTGGAGCCCTATCTGTC
ACCCTCTGCTATGTCTGTGATGTCAGTAGTGCCTGTGATCGTGTGTTGCCATTTGTCTGGCTGTGGCC
CCTCCTTCTCCCTCCAGACCCCTACCCTTCCCAAACCCTTCGGTATTGTTCAAAGAACCCCTCC
CAAGGAAGAACAATATGATTCTCTCTCCAAATAAACTCCTTAACCACCTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_003179.3](#)

**Summary:** This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]

**Locus ID:** 6855

MW: 54.3