

## Product datasheet for **SC127563**

### Synaptotagmin 4 (SYT4) (NM\_020783) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptotagmin 4 (SYT4) (NM_020783) Human Untagged Clone
Tag:	Tag Free
Symbol:	Synaptotagmin 4
Synonyms:	HsT1192
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127563 sequence for NM_020783 edited (data generated by NextGen Sequencing)

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ATGGCTCCGATCACCACCAGCCGGGAAGAATTTGATGAAATCCCCACAGTGGTGGGGATC
TTCAGTGCATTTGGCCTGGTCTTCACAGTCTCTCTCTTTGCATGGATCTGCTGTGAGAGA
AAATCATCCAAGTCTAACAAGACTCCTCCATACAAGTTTGTGCATGTGCTTAAGGGAGTT
GATATTTACCCTGAAAACCTAAATAGCAAAAAGAAGTTTGGAGCAGATGATAAAAATGAA
GTAAAGAATAAGCCAGCTGTGCCAAAGAATTCATTGCATCTGGATCTTGAAGAGAGAT
CTCAATGGCAATTTTCCAAAACCAACCTCAAACCTGGCAGTCTTCTGATCTGGAGAAT
GCAACCCGAAGCTCTTTTGAAGGGGAAAAAGAGTCAGTTTCCCCTGAGAGTTTAAAG
TCCAGCACTTCCCTTACTTCAGAAGAGAAACAAGAGAAGCTGGGAACCTCTTCTTCTCC
TTAGAATACAACCTCGAGAGAAAAGCATTGTGGTCAATATCAAGGAAGCCCGTGGCTTG
CCAGCCATGGATGAGCAGTCGATGACCTCTGACCCATATATCAAAATGACGATCCTCCCA
GAGAAGAAGCATAAAGTAAAAGTAGAGTGCTGAGAAAAACCTTGGATCCAGCTTTTGTG
GAGACCTTTACATTCTATGGGATACCCTACACCCAAAATCCAAGAATTGGCCTTGCCTTC
ACAATTTTGTAGTTTGTGACAGGTTTTCAAGAGATGATATCATTGGGGAAAGTTCTAATTCCT
CTCTCGGGAAATTGAATATCTGAAGGAAAAATGTTAATGAATAGAGAGATCATCAAGAGA
AATGTTAGGAAGTCTTCAGGACGGGTGAGTACTGATCTCTCTGCTATCAGTCCACC
ACAAACTCTAACTGTGGTTGTCTTAAAAGCTCGACATCTGCCTAAATCTGATGTGTC
GGACTTTCAGATCCCTATGTCAAAGTGAACCTGTACCATGCCAAAAAGAGAATCTCCAAG
AAGAAGACTCATGTGAAGAAATGCACCCCAATGCAAGTGTCAATGAGCTGTTTGTCTTT
GATATTCCTTGTGAGGGCCTTGAAGATATAAGTGTGAATTTTTGGTTTTGGATTCTGAA
AGGGGGTCCCGAAATGAGGTAATCGGGCAGTTAGTCTTGGGTGCAGCAGCAGAAGGAACT
GGTGGAGAGCACTGAAAAGAGATCTGTGACTACCCAGGAGACAAATTGCCAAGTGGCAC
GTGCTCTGTGATGGTTAG

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Clone variation with respect to NM\_020783.3



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**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:** [NM\\_020783.2](#), [NP\\_065834.1](#)

**RefSeq Size:** 3837 bp

**RefSeq ORF:** 1278 bp

**Locus ID:** 6860

**UniProt ID:** [Q9H2B2](#)

**Cytogenetics:** 18q12.3

**Domains:** C2

**Protein Families:** Secreted Protein, Transmembrane

**Gene Summary:** May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]