

## Product datasheet for **TP306304L**

### Synaptotagmin 4 (SYT4) (NM\_020783) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human synaptotagmin IV (SYT4), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC206304 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAPITTSREEFDEIPTVVGIFSAFGLVFTVSLFAWICCQRKSSKSNKTPPYKFVHVLKGVDIYPENLNSK  
KKFGADKNEVKNKPAVPKNSLHLDLEKRDNLGNFPKTNLKPSPDLENATPKLFLEGEKESVSPESLK  
SSTSLTSEEKQEKLGTLFFSLEYNFERKAFVNIKEARGLPAMDEQSMTSDPYIKMTILPEKKHKVKT  
LRKTLDPAFDETFTFYGIPYTQIQELALHFTILSDFRSRDDIIGEVLIPLSGIELSEGKMLMNREIKR  
NVRKSSGRGELLISLCYQSTTNTLTWVWKARHLPKSDVSGLSDPYVKVNLHAKKRISKKKTHVKKCTP  
NAVFNELFVFDIPCEGLEDISVEFLVLDSEGRSRNEVIGQLVLGAAAEGTGGEHWKEICDYPRRQIAKWH  
VLCDG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 47.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

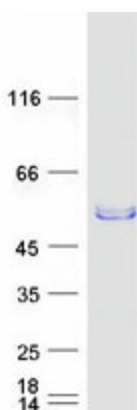
**RefSeq:** [NP\\_065834](#)



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Locus ID:	6860
UniProt ID:	<a href="#">Q9H2B2</a>
RefSeq Size:	4111
Cytogenetics:	18q12.3
RefSeq ORF:	1275
Synonyms:	HsT1192
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]
Protein Families:	Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified SYT4 protein (Cat# [TP306304]). The protein was produced from HEK293T cells transfected with SYT4 cDNA clone (Cat# [RC206304]) using MegaTran 2.0 (Cat# [TT210002]).