

## Product datasheet for **TP306304M**

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

#### Product data:

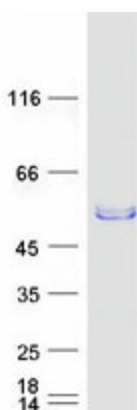
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human synaptotagmin IV (SYT4), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206304 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAPITTSREEFDEIPTVVGIFSAFGLVFTVSLFAWICCQRKSSKSNKTPPYKFVHVLKGVDIYPENLNSK            KCFGADDKNEVKNKPAVPKNSLHLDLEKRDNLGNFPKTNLKPSPDLENATPKLFLEGEKESVSPESLK            SSTSLTSEEKQEKLGTLFFSLEYNFERKAFVNIKEARGLPAMDEQSMTSDPYIKMTILPEKKHKVKT            LRKTLDPAFDETFTFYGIPYTQIQELALHFTILSDFRSDDIIGEVLIPLSGIELSEGKMLMNREIKR            NVRKSSGRGELLISLCYQSTTNTLTWVWLKARHLPKSDVSGLSDPYVKVNLHAKKRISKKKTHVKKCTP            NAVFNELFVFDIPCEGLEDISVEFLVLDSEGRSRNEVIGQLVLGAAAEGTGGEHWKEICDYPRRQIAKWH            VLCDG</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	47.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_065834</a></u>



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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]).