

## Product datasheet for **TP305963**

### Synaptotagmin 3 (SYT3) (NM\_032298) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human synaptotagmin III (SYT3), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC205963 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSGDYEDDLRRALILVSDLCARVRDADTNDRCQEFNDRIRGYPRGPDADISVLSLVIVTFCGIVLLGV  
 SLFVSWKLCWVPWRDKGGSVAVGGGPLRKDLGPGVGLAGLVGGGGHHLAAGLGGHPLLGGPHHHAHAHHP  
 PFAELLEPGSLGGSDTPEPSYLDMDSYPEAAAAVAAGVKPSQTSPELPSEGGAGSGLLLLPPSGGGLPS  
 AQSHQQVTS LAP TTRY PAL PR PL TQ QLT SQ DP S SE ER PP AL PL PL PG GEEK AK LIG QIK PEL Y QGT GP  
 GRRRSGGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQAMDLPKDSNGFSDPYVKIYLLPDRKKK  
 FQTKVHRKTLNPFVNETFQFSVPLAELAQRKLHFSVYDFDRFSRHDLIGQVLDNLELAEQPPDRPLWR  
 DIVEGGSEKADLGELNFSCLYPTAGRLTVTIKASNLKAMDLTGFSDPYVKASLISEGRRLKKRKTSLK  
 KNTLNPTYNEALVFDVAPESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKP  
 VEHWHLVVEEKTVTSFTKSGKGLSEKENSE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

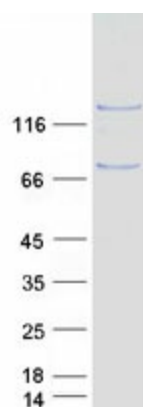
**Tag:** C-Myc/DDK  
**Predicted MW:** 63.1 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was 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.



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<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>	<a href="#">NP_115674</a>
<b>Locus ID:</b>	84258
<b>UniProt ID:</b>	<a href="#">Q9BQG1</a> , <a href="#">A0A024R4I9</a>
<b>RefSeq Size:</b>	2928
<b>Cytogenetics:</b>	19q13.33
<b>RefSeq ORF:</b>	1770
<b>Synonyms:</b>	SytIII
<b>Summary:</b>	Ca(2+) sensor involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain. Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003). [UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified SYT3 protein (Cat# TP305963). The protein was produced from HEK293T cells transfected with SYT3 cDNA clone (Cat# [RC205963]) using MegaTran 2.0 (Cat# [TT210002]).