

Product datasheet for **TP305963M**

Synaptotagmin 3 (SYT3) (NM_032298) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human synaptotagmin III (SYT3), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC205963 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MSGDYEDDLRRALILVSDLCARVRDADTNDRCQEFNDRIRGYPRGPDADISVLSLVIVTFCGIVLLGV
SLFVSWKLCWVPWRDKGGSVAVGGGPLRKDLGPGVGLAGLVGGGGHHLAAGLGGHPLLGGPHHHAHAHHP
PFAELLEPGSLGGSDTPEPSYLDMDSYPEAAAAVAAGVKPSQTSPELPSEGGAGSGLLLLPPSGGGLPS
AQSHQQVTS LAP TTRY PAL PR PL TQ QTL TS QP DP S SE ER PP AL PL PL PG GEEK AK LI GQ IK PE LY QGT GP
GGRRSGGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQAMDLPKDSNGFSDPYVKIYLLPDRKKK
FQTKVHRKTLNPVFNETFQFSVPLAELAQRKLHFSVYDFDRFSRHDLIGQVLDNLELAEQPPDRPLWR
DIVEGGSEKADLGELNFSCLYPTAGRLTVTIKASNLKAMDLTGFSDPYVKASLISEGRRLKKRKTSLK
KNTLNPTYNEALVFDVAPESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKP
VEHWHQLVEEKTVTSFTKSGKGLSEKENSE

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.

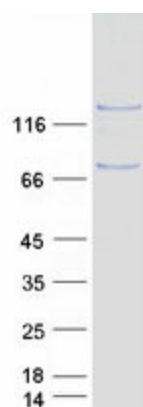
Storage: Store at -80°C.



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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_115674
Locus ID:	84258
UniProt ID:	Q9BQG1 , A0A024R4I9
RefSeq Size:	2928
Cytogenetics:	19q13.33
RefSeq ORF:	1770
Synonyms:	SytIII
Summary:	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]
Protein Families:	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]).