

## Product datasheet for PH305963

### Synaptotagmin 3 (SYT3) (NM\_032298) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYT3 MS Standard C13 and N15-labeled recombinant protein (NP_115674)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205963
Predicted MW:	63.3 kDa
Protein Sequence:	>RC205963 protein sequence Red=Cloning site Green=Tags(s)

MSGDYEDDLRRALILVSDLCARVRDADTNDRCQEFNDRIRGYPRGPDADISVSLLSVIVTFCGIVLLGV  
SLFVSWKLCWVPWRDKGGS AVGGGPLRKDLGPGVGLAGLVGGGGHLLAAGLGGHPLLGGPHHHAHAHHP  
PFAELLEPGSLGGSDTPEPSYLDMSYPEAAAAVAAGVKPSQTSPELPSEGGAGSGLLLLPPSGGGLPS  
AQSHQVTS LAPTTRYPALPRPLTQQTLTSQPDPSSEERPPALPLPLPGGEEKAKLIGQIKPELYQGTGP  
GGRRSGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQAMDLPKDSNGFSDPYVKIYLLPDRKKK  
FQTKVHRKTLNPFVNETFQFSVPLAELAQRKLFVSYDFDRFSRHDLIGQVVDNLELAEQPPDRPLWR  
DIVEGGSEKADLGELNFSLCYLPTAGRLTVTIKASNLKAMDLTGFSDPYVKASLISEGRRLLKRRKTSIK  
KNTLNPTYNEALVFDVAPESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKP  
VEHWHQLVEEKTVTSFTKGSKGLSEKENSE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

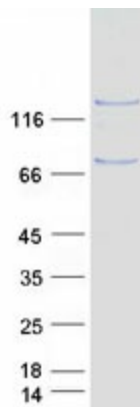
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_115674</a>
RefSeq Size:	2928
RefSeq ORF:	1770



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<b>Synonyms:</b>	SytIII
<b>Locus ID:</b>	84258
<b>UniProt ID:</b>	<a href="#">Q9BQG1</a> , <a href="#">A0A024R4I9</a>
<b>Cytogenetics:</b>	19q13.33
<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]).