

## Product datasheet for PH308528

### Synaptotagmin V (SYT5) (NM\_003180) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYT5 MS Standard C13 and N15-labeled recombinant protein (NP_003171)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208528
Predicted MW:	42.9 kDa
Protein Sequence:	>RC208528 protein sequence Red=Cloning site Green=Tags(s)  MFPEPPTGPPSPDTPPDSSRISHGPVPPWALATIVLVSGLLIFSCCFLYRKSCRRRTGKKSQAQAQVH LQEVKGLGQSYIDKVQPEVEELEPAPSGPGQQVADKHELQQLQYSLDYDFQSGQLLVGILQAMGLAALDL GGSSDPYVRVYLLPDKRRRYETKVHRQTLNPHFGETFAFKVPYVELGGRVLMVAVYDFDRFSRNDAIGEV RVPMSVDLGRPVAWRELQAAPREEQEKLGDICFSLRYVPTAGKLTIVILEAKNLKKMDVGGGLSDPYVK VHLLQGGKKVRKKKTTIKKNTLNPYYNEAFSFEVPCDQVQKVQVELTVLDYDKLGKNEAIGRVAVGAAAG GAGLRHWADMLANPRRPIAQWHSRPPDRVRLLPAP  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_003171</a>
RefSeq Size:	1853
RefSeq ORF:	1158
Locus ID:	6861
UniProt ID:	<a href="#">O00445</a> , <a href="#">A0A024R4N8</a>



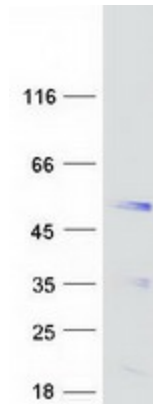
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Cytogenetics: 11p

**Summary:** Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified SYT5 protein (Cat# [TP308528]). The protein was produced from HEK293T cells transfected with SYT5 cDNA clone (Cat# [RC208528]) using MegaTran 2.0 (Cat# [TT210002]).