

## Product datasheet for PH310849

### SYT13 (NM\_020826) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYT13 MS Standard C13 and N15-labeled recombinant protein (NP_065877)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210849
Predicted MW:	46.9 kDa
Protein Sequence:	>RC210849 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MVLSVPVIALGATLGTATSILALCGVTCLCRHMPKKGLLPDQDPDLEKAKPSLLGSAQQFNVKKSTEP  
 VQPRALLKFPDIYGPRPAVTAPEVINYADYSLRSTEEPTAPASPQPPNDSRLKRQVTEELFILPQNGVVE  
 DVCVMTWNPEKAASWNQAPKLHYCLDYDCQKAEFVTRLEAVTSNHDGGCDCYVQGSVANRTGSVEAQT  
 ALKKRQLHTTWEEGLVLPLAEEELPTATLTLTLRTCDRFSRHVSAGELRLGLDGTSVPLGAAQWGELKTS  
 AKEPSAGAGEVLLSISYLPAAANRLLVVLKAKNLHSNQSKELLGKDVSVKVTLKHQARKLKKKQTKRAKH  
 KINPVWNEMIMFELPDDLLQASSVELEVLGQDDSGQSCALGHCSLGLHTSGSERSHWEMLKNPRRQIAM  
 WHQLHL

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:	<u><a href="#">NP_065877</a></u>
RefSeq Size:	5184
RefSeq ORF:	1278
Locus ID:	57586


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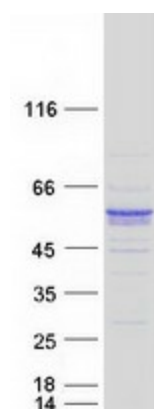
UniProt ID: [Q7L8C5](#)

Cytogenetics: 11p11.2

**Summary:** This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tandem C2 domains (C2A and C2B). Synaptotogmin family members can form homo- and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified SYT13 protein (Cat# [TP310849]). The protein was produced from HEK293T cells transfected with SYT13 cDNA clone (Cat# [RC210849]) using MegaTran 2.0 (Cat# [TT210002]).