

Product datasheet for PH306304

Synaptotagmin 4 (SYT4) (NM_020783) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SYT4 MS Standard C13 and N15-labeled recombinant protein (NP_065834)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206304
Predicted MW:	48 kDa
Protein Sequence:	>RC206304 protein sequence Red=Cloning site Green=Tags(s)
	MAPITTSREEFDEIPTVVGIFSAFGLVFTVSLFAWICCQRKSSKSNKTPPYK FVHVLKGVDIYPENLNSK KKFGADDKNEVKNKPAVPKNSLHLDLEKRD LNGNFPKTNLKP GSPSDLENATPKLFLEGEKESVSPESLK SSTSLTSEEKQEKLGT LFFSLEYNFERKAFV VNIKEARGLPAMDEQSMTSDPYIKMTILPEKHKHKVTRV LRKTLDPAFDETFTFYGIPYTQIQELALHFTILSFDRFSRDDIIGEVLIPLSGIELSEGKMLMNREIIKR NVRKSSGRGELLISLCYQSTTNTLTVVVLKARHLPKSDVSGLSDPYVKVNL YHAKKRI SKKKT HVKKCTP NAVFNELFVFDIPCEGLDISVEFLVLDSEGRSRNEVIGQLVLGAAAEGTGGEHWKEICDYPRRQIAKWH VLCDG
	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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_065834</u>
RefSeq Size:	4111
RefSeq ORF:	1275
Synonyms:	HsT1192



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Locus ID: 6860

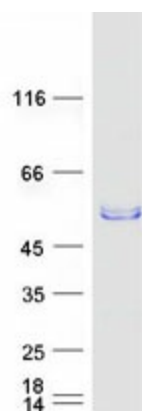
UniProt ID: [Q9H2B2](#)

Cytogenetics: 18q12.3

Summary: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and 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 SYT4 protein (Cat# [TP306304]). The protein was produced from HEK293T cells transfected with SYT4 cDNA clone (Cat# [RC206304]) using MegaTran 2.0 (Cat# [TT210002]).