

## Product datasheet for PH317584

### SYTL2 (NM\_032943) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYTL2 MS Standard C13 and N15-labeled recombinant protein (NP_116561)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217584
Predicted MW:	102.4 kDa
Protein Sequence:	>RC217584 representing NM_032943 Red=Cloning site Green=Tags(s)

MIDL SFLTEEEQEAIMKVLQRDAALKRAEEERVRHLPEKIKDDQQLKNMSGQWFYEAKAKRHRDKIHGAD  
IIRASMRKKRPQIAAEQSKDRENGAKESWVNNVVKDAFLPPELAGVVEEPEEDAAPSPSSSVNPPASSV  
IDMSQENTRKNPNVSPEKRKNPFNSKLEPEGHSSQTKNEQSKNGRTGLFQTSKEDELSESKEKSTVADTS  
IQKLEKSKQTLPLGLSNGSQIKAPIPKARKMIYKSTDLNKDDNQSFPRQRTDSLKARGAPRILKRNSSSS  
STDSETLRYNHNFEPKSKIVSPGLTIHERISEKEHSLEDNSSPNSLEPLKHVRFSAVKDELQSPGLIHG  
REVGEFVLESDRLKNGMEDAGDTEEFQSDPKPSQYRKPSLFHQSTSSPYVSKSETHQPMTSGSFINGL  
HSHSEVLTARPQSMENSPTINEPKDKSSELTRLESVLRSPADEL SHCVEPEPSQVPGGSSRDRQQGSEE  
EPSPVLKTLERSAARKMPKSKLEDISSDSSNQAKVDNQPEELVRS AEDDEKPDQKPV TNECVPRISTVPT  
QPDNPF SHPKLKRMSKSVPAFLQDEVSGSVMSVYSGDFGNLEVKGNIQFAIEYVESL KELHVFVAQCKD  
LAAADVKKQRSDPYVKAYLLPDKGKMGKKKTLVVKKTLNPVYNEILRYKIEKQILKTQKLNLSIWHRTDF  
KRNSFLGEVELDLETWDWNKQNKQLRWYPLKRKTAPVALEAENRGENKMLALQYVPEPVPGKLPPTTGEV  
HIWVKECLDPLLRGSHLNSFVKCTILPDTSRKSRQKTRAVGKTTNPIFNHTMVYDGF RPEDLMEACVEL  
TVVDHYKLTNQFLGGLRIGFGTGKSYGTEVDWMDSTSEEVALWEKMNPNTPNTWIEATLPLRMLLI AKISK

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.



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RefSeq:	<u>NP_116561</u>
RefSeq Size:	3985
RefSeq ORF:	2733
Synonyms:	CHR11SYT; EXO4; PPP1R151; SGA72M; SLP2; SLP2A
Locus ID:	54843
UniProt ID:	<u>Q9HCH5</u>
Cytogenetics:	11q14.1

**Summary:** The protein encoded by this gene is a synaptotagmin-like protein (SLP) that belongs to a C2 domain-containing protein family. The SLP homology domain (SHD) of this protein has been shown to specifically bind the GTP-bound form of Ras-related protein Rab-27A (RAB27A). This protein plays a role in RAB27A-dependent vesicle trafficking and controls melanosome distribution in the cell periphery. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jun 2009]

### Product images:



Coomassie blue staining of purified SYTL2 protein (Cat# [TP317584]). The protein was produced from HEK293T cells transfected with SYTL2 cDNA clone (Cat# [RC217584]) using MegaTran 2.0 (Cat# [TT210002]).