

Product datasheet for PH326544

SYT2 (NM_001136504) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SYT2 MS Standard C13 and N15-labeled recombinant protein (NP_001129976)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226544
Predicted MW:	46.9 kDa
Protein Sequence:	>RC226544 protein sequence Red=Cloning site Green=Tags(s)

MRNIFKRNQPEIVAPATTATMPIGPVDNSTESGGAGESQEDMFAKLKEKLFNEINKIPLPPWALIAIAV
VAGLLLLTCCFCICKKCCCKKKKNKKEKGMKNAMNMDKGGQDDDAETGLTEGEGEGEEKEPENL
GKLQFSLDYDFQANQLTVGVLQAAELPALDMGGTSDPYVKVFLLPDKKKKYETKVHRKTLNPAFNETFTF
KVPYQELGGKTLVMAIYDFDRFSKHDIIGEVKVPMTVDLGPPIEWRDLQGGEKEEPEKLGDICTSLRY
VPTAGKLTVCILEAKNLKMDVGGLSDPYVKIHLMQNGKRLKKKKTTVKKKTLNPFNFESFSFEIPFEQI
QKVQVVTVLDYDKLGKNEAIGKIFVGSNATGTELRHWSMDLANPRRPIAQWHSCLKPEEEVDALLGKNK

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- 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_001129976</u>
RefSeq Size:	7614
RefSeq ORF:	1257
Synonyms:	CMS7; MYSPC; SytII
Locus ID:	127833



[View online »](#)

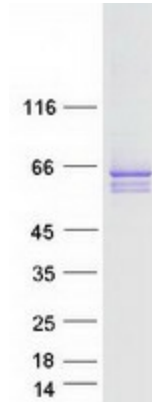
UniProt ID: [Q8N9I0](#)

Cytogenetics: 1q32.1

Summary: This gene encodes a synaptic vesicle membrane protein. The encoded protein is thought to function as a calcium sensor in vesicular trafficking and exocytosis. Mutations in this gene are associated with myasthenic syndrome, presynaptic, congenital, with or without motor neuropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified SYT2 protein (Cat# [TP326544]). The protein was produced from HEK293T cells transfected with SYT2 cDNA clone (Cat# [RC226544]) using MegaTran 2.0 (Cat# [TT210002]).