

Product datasheet for **TP326544**

SYT2 (NM_001136504) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synaptotagmin II (SYT2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC226544 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MRNIFKRNQEPIVAPATTTATMPIGPVDNSTESGGAGESQEDMFAKLKEKLFNEINKIPLPPWALIAIAV
VAGLLLLTCCFCICKKCCCKKKKKNKKEKGGKGMKNAMNMKDMKGGQDDDDAETGLTEGEGEGEEKEPENL
GKLQFSLDYDFQANQLTVGVLQAELPALDMGGTSDPYVKVFLLPDKKKKYETKVHRKTLNPAFNETFTF
KVPYQELGGKTLVMAIYDFDRFSKHDIIGEVKVPMMNTVDLGQPIEWRDLQGGEEKEPEKLGDICTSLRY
VPTAGKLTVCILEAKNLKMDVGGLSDPYVKIHLMQNGKRLKKKKTTVKKKTLNPFNFESFSFEIPFEQI
QKVQVVTVLDYDKLGKNEAIGKIFVGSNATGTELRHWSMMLANPRRPIAQWHSKPEEEVDALLGKNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001129976
Locus ID:	127833



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UniProt ID: [Q8N9I0](#)

RefSeq Size: 7614

Cytogenetics: 1q32.1

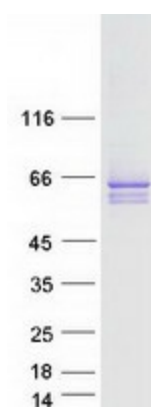
RefSeq ORF: 1257

Synonyms: CMS7; MYSPC; SytII

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]).