

Product datasheet for **TP308938**

Synaptotagmin 1 (SYT1) (NM_005639) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens synaptotagmin I (SYT1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208938 representing NM_005639 Red=Cloning site Green=Tags(s)

MVSESHHEALAAPPVTTVATVLP SNATEPASPGEKEDAFSKLKEKFMNELHKIPLPPWALIAIAIVAVL
LVLTCFCICKKCLFKKKNKKKGGKEKGGKNAINMKDVKDLGKTMKDQALKDDDAETGLTDGEEKEEPKEE
EKLGKLYSLDYDFQNNQLLVGIIQAAELPALDMGGTSDPYVKVFLLPDKKKKFETKVHRKTLNPFVNEQ
FTFKVPYSELGGKTLVMAVYDFDRFSKHDIIGEFKVP MNTVDFGHVTEEWRDLQSAEKEEQEKLGDICFS
LRYVPTAGKLT VVILEAKNLKKMDVGGLSDPYVKIHLMQNGKRLKKKKTITIKNTLNPYYNESFSFEVFP
EQIQKVQVWVTVLDYDKIGKND AIGKVFVGYNSTGAELRHWS DMLANPRRPIAQWHTLQVEEVDAMLAV
KK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47.4 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.



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RefSeq: [NP_005630](#)

Locus ID: 6857

UniProt ID: [P21579](#), [A0A024RBE9](#)

RefSeq Size: 3244

Cytogenetics: 12q21.2

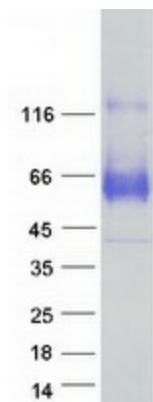
RefSeq ORF: 1266

Synonyms: BAGOS; P65; SVP65; SYT

Summary: The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).[supplied by OMIM, Jul 2010]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified SYT1 protein (Cat# TP308938). The protein was produced from HEK293T cells transfected with SYT1 cDNA clone (Cat# [RC208938]) using MegaTran 2.0 (Cat# [TT210002]).