Recombinant Human SYT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYT1-6479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYT1 MS Standard C13 and N15-labeled recombinant protein (NP_005630) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	47.4 kDa
AA Sequence	MVSESHHEALAAPPVTTVATVLPSNATEPASPGEGKEDAFSKLKEKFMNELHKIPLP PWALIAIAIVAVLLVLTCCFCICKKCLFKKKNKKKGKEKGGKNAINMKDVKDLGKTMK DQALKDDDAETGLTDGEEKEEPKEEEKLGKLQYSLDYDFQNNQLLVGIIQAAELPAL DMGGTSDPYVKVFLLPDKKKKFETKVHRKTLNPVFNEQFTFKVPYSELGGKTLVMA VYDFDRFSKHDIIGEFKVPMNTVDFGHVTEEWRDLQSAEKEEQEKLGDICFSLRYVP TAGKLTVVILEAKNLKKMDVGGLSDPYVKIHLMQNGKRLKKKKTTIKKNTLNPYYNES FSFEVPFEQIQKVQVVVTVLDYDKIGKNDAIGKVFVGYNSTGAELRHWSDMLANPRR PIAQWHTLQVEEEVDAMLAVKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

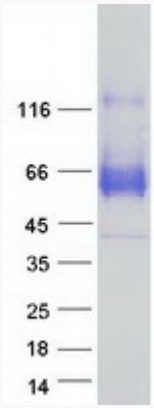
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SYT1 synaptotagmin I [Homo sapiens (human)]
Official Symbol	SYT1
Synonyms	SYT1; synaptotagmin I; SVP65, SYT; synaptotagmin-1; P65; sytI; synaptotagmin 1; SYT; SVP65; DKFZp781D2042;
Gene ID	6857
mRNA Refseq	NM_005639
Protein Refseq	NP_005630
MIM	185605
UniProt ID	P21579

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SDS-PAGE	

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