

Active Recombinant Full Length Human SYT1 Protein, C-Flag-tagged

Cat. No. SYT1-426HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SYT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	MS digestion standard
Molecular Mass	47.4 kDa
AA Sequence	MVSESHHEALAAPPVTTVATVLP SNATEPASPGE GKEDAFSKLKEKFMNELH K I P L P PWALIAIAIVAVL LVL TCCFCICKKCLFKKKNKKKGKEKGKNAINMKDVKDLGKTMK DQALKDDDAETGLTDGEEKEEPKEE EKLGLQYSLDYDFQNNQLLVGIIQAAELPAL DMGGTSDPYVKVFLLPDKKKKFETKVHRKTLNPFVNEQ FTFKVPYSELGGKTLVMA VYDFDRFSKHDIIGEFKVPMTVD FGHVTEEW RDLQSAEKEEQEKLGDICFS LRYV PTAGKLT VVILEAKNLKKMDVGGLSDPYVKIHLMQNGKRLKKKKTTIKKNTLNPYYNE

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SFSFEVPF EQIQKVQVVVTVLDYDKIGKND AIGKVFGYNSTGAELRHWS DMLANP
 RRPIAQWHTLQVEEEVDAMLAV
 KKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SYT1 synaptotagmin 1 [Homo sapiens (human)]
Official Symbol	SYT1
Synonyms	P65; SYT; BAGOS; SVP65
Gene ID	6857
mRNA Refseq	NM_001135806.2

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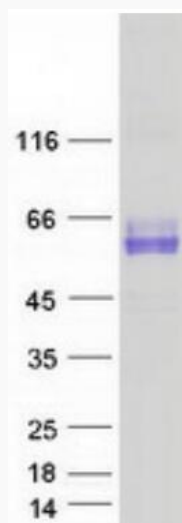
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Protein Refseq [NP_001129278.1](#)

MIM [185605](#)

UniProt ID [P21579](#)



Coomassie blue staining of purified SYT1 protein.

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