

Recombinant Full Length Human SYT5 Protein, Flag tagged

Cat. No. SYT5-4426H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human synaptotagmin V (SYT5) with Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-386 aa
Description	Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	42.7 kDa
AASequence	MFPEPPTPGPPSPDTPPDSSRISHGPVPPWALATIVLVSGLLIFSCCFCLYRKSCRR RTGKKSQAQAQVHLQEVKGLGQSYIDKVQPEVEELEPAPSGPGQQVADKHELGLQL QYSLDYDFQSGQLLVGILQAMGLAALDLGGSSDPYVRVYLLPDKRRRYETKVHRQT LNPHFGETFAFKVPYVELGGRVLVMAVYDFDRFSRND AIGEV RVP MSSVDLGRPVQ AWRELQAAPREEQEKLGDICFSLRYVPTAGKLTIVIVLEAKNLKKMDVGGLSDPYVKV HLLQGGKKVRKKKTTIKKNTLNPYYNEAFSFEVPCDQVQKVQVELTVLDYDKLGKNE

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	AIGRVAVGAAAGGAGLRHWADMLANPRRPIAQWHSRPPDRVRLLPAPTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	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 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Shipping	Dry ice

GENE INFORMATION

Gene Name	SYT5 synaptotagmin V [Homo sapiens (human)]
Official Symbol	SYT5
Synonyms	SYT5; synaptotagmin V; synaptotagmin-5; synaptotagmin 5; sytV;
Gene ID	6861
mRNA Refseq	NM_003180
Protein Refseq	NP_003171
MIM	600782

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UniProt ID

O00445

SDS-PAGE

116 —
66 —
45 —
35 —
25 —
18 —

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