

Recombinant Human SYT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYT5-4425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYT5 MS Standard C13 and N15-labeled recombinant protein (NP_003171) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.9 kDa
AA Sequence	MFPEPPTPGPPSPDTPPDSSRISHGVPVPPWALATIVLVSGLLIFSCCFCLYRKSCRR RTGKKSQAQAQVHLQEVKGLGQSYIDKVQPEVEELEPAPSGPGQQVADKHELGLQ QYSLDYDFQSGQLLVGILQAMGLAALDLGGSSDPYVRVYLLPDKRRRYETKVHRQT LNPHFGETFAFKVPYVELGGRVLVMAVYDFDRFSRND AIGEVVRVPMSSVDLGRP VQ AWRELQAAPREEQEKLGDICFSLRYVPTAGKLTIVIVLEAKNLKKMDVGGGLSDPYVKV HLLQGGKKVRKKKTTIKKNTLNPYYNEAFSFEVPCDQVQKVQVELTVLDYDKLGKNE AIGRVAVGAAAGGAGLRHWADMLANPRRPIAQWHSRPPDRVRLLPAPTRTRPLE QKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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.

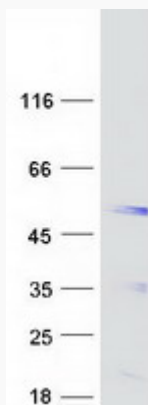
GENE INFORMATION

Gene Name	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
UniProt ID	O00445

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SDS-PAGE

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