

Recombinant Human SYT4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYT4-5222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYT4 MS Standard C13 and N15-labeled recombinant protein (NP_065834) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Plays a role in dendrite formation by melanocytes.
Molecular Mass	48 kDa
AA Sequence	<p>MAPITTSREEFDEIPTVVGIFSAFGLVFTVSLFAWICCQRKSSKSNKTPPYKQVHVLK GVDIYPENLNSKKKFGADDKNEVKNKPAVPKNSLHLDLEKRDNLNGNFPKTNLKPGRS PSDLENATPKLFLEGEKESVSPESLKSSTSLTSEEKQEKGLTFFSLEYNFERKAFVV NIKEARGLPAMDEQSMSTDPYIKMTILPEKHKVKTRVLRKTLDPAFDETFTFYGIPY TQIQELALHFTILSFDRFSRDDIIGEVLIPLSGIELSEGKMLMNREIIKRNVKSSGRGE LLISLCYQSTTNTLTVVVLKARHLPKSDVSGLSDPYVKVNLYHAKKRISKKKTHVKKC TPNAVFNELFVFDIPCEGLEDISVEFLVLDSEGRSRNEVIGQLVLGAAAEGTGGEHW KEICDYPRRQIAKWHVLCGTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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	SYT4 synaptotagmin IV [Homo sapiens (human)]
Official Symbol	SYT4
Synonyms	SYT4; synaptotagmin IV; synaptotagmin-4; HsT1192; KIAA1342; sytIV; synaptotagmin 4;
Gene ID	6860
mRNA Refseq	NM_020783
Protein Refseq	NP_065834
MIM	600103
UniProt ID	Q9H2B2

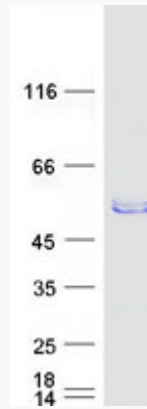
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SDS-PAGE



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