

Recombinant Mouse Syt5 Protein, Myc/DDK-tagged

Cat. No. Syt5-6262M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptotagmin V (Syt5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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. Regulates the Ca ²⁺ -dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface.
Molecular Mass	43.1 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Syt5 synaptotagmin V [Mus musculus (house mouse)]
Official Symbol	Syt5
Synonyms	SYT5; synaptotagmin V; synaptotagmin-5; synaptotagmin 5; synaptotagmin IX; SytV
Gene ID	53420
mRNA Refseq	NM_016908
Protein Refseq	NP_058604
UniProt ID	Q9R0N5

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