Recombinant Mouse Syt3 Protein, Myc/DDK-tagged

Cat. No. Syt3-6260M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptotagmin III (Syt3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ca2+ sensor involved in Ca2+-dependent exocytosis of secretory vesicles through Ca2+ and phospholipid binding to the C2 domain. Ca2+ induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis. Plays a role in dendrite formation by melanocytes.
Molecular Mass	63.3 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	Syt3 synaptotagmin III [Mus musculus (house mouse)]
Official Symbol	Syt3
Synonyms	Syt3; synaptotagmin III; sytIII; AI385753; synaptotagmin-3
Gene ID	20981
mRNA Refseq	NM_016663
Protein Refseq	NP_057872
UniProt ID	O35681

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