

Recombinant Mouse Sytl2 Protein, Myc/DDK-tagged

Cat. No. Sytl2-6265M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptotagmin-like 2 (Sytl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Isoform 11 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. Required for cytotoxic granule docking at the immunologic synapse. Isoform 1 may play a role in melanosome transport and vesicle trafficking. It controls melanosome distribution in the cell periphery and regulates melanocyte morphology. Isoform 1 acts as a positive mediator of mucus secretion by the surface mucus cells of the stomach. Mediates basal mucus secretion by gastric surface cells by promoting the proper granule biogenesis and docking of mucus granules with the apical plasma membrane.
Molecular Mass	105.5 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.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Sytl2 synaptotagmin-like 2 [Mus musculus (house mouse)]
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Official Symbol	Sytl2
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Synonyms	Sytl2; synaptotagmin-like 2; S; Sl; Slp; Slp2; AI266830; mKIAA1597; synaptotagmin-like protein 2; exophilin-4
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Gene ID	83671
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mRNA Refseq	NM_001040085
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Protein Refseq	NP_001035174
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UniProt ID	Q99N50
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