

## Recombinant Mouse Sytl2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length synaptotagmin-like 2 (Sytl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	105.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Sytl2 synaptotagmin-like 2 [ *Mus musculus* (house mouse) ]

**Official Symbol** Sytl2

**Synonyms** Sytl2; synaptotagmin-like 2; S; Sl; Slp; Slp2; AI266830; mKIAA1597; synaptotagmin-like protein 2; exophilin-4

**Gene ID** 83671

**mRNA Refseq** NM\_001040085

**Protein Refseq** NP\_001035174

**UniProt ID** Q99N50

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