

Recombinant Mouse Syt12 Protein, Myc/DDK-tagged

Cat. No. Syt12-6257M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptotagmin XII (Syt12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Synaptic vesicle phosphoprotein that enhances spontaneous neurotransmitter release but does not effect induced neurotransmitter release. Unlike other synaptotagmins, it does not bind Ca ²⁺ or phospholipids. Essential for mossy-fiber long-term potentiation in the hippocampus.
Molecular Mass	46.7 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 Syt12 synaptotagmin XII [Mus musculus (house mouse)]

Official Symbol Syt12

Synonyms Syt12; synaptotagmin XII; synaptotagmin-12; sytXII

Gene ID 171180

mRNA Refseq NM_134164

Protein Refseq NP_598925

UniProt ID Q920N7

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