Recombinant Mouse Unc13d Protein, Myc/DDK-tagged

Cat. No. Unc13d-6836M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length unc-13 homolog D (Unc13d), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse. Regulates assembly of recycling and late endosomal structures, leading to the formation of an endosomal exocytic compartment that fuses with perforin-containing granules at the immunologic synapse and licences them for exocytosis. Regulates Ca2+-dependent secretory lysosome exocytosis in mast cells.
Molecular Mass	122.9 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

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

GENE INFORMATION

Gene Name	Unc13d unc-13 homolog D [Mus musculus (house mouse)]
Official Symbol	Unc13d
Synonyms	UNC13D; unc-13 homolog D (C. elegans); protein unc-13 homolog D; likely ortholog of H. sapiens unc-13 homolog D (UNC13D); Jinx; Munc13-4; mFLJ00067; RP23-42F6.5; 2610108D09Rik; FLJ00067
Gene ID	70450
mRNA Refseq	NM_001009573
Protein Refseq	NP_001009573
UniProt ID	B2RUP2

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