Recombinant Mouse Cplx3 Protein, Myc/DDK-tagged

Cat. No. Cplx3-2287M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length complexin 3 (Cplx3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion. Required for the maintenance of synaptic ultrastructure in the adult retina. Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina. Suppresses tonic photoreceptor activity and baseline 'noise' by suppression of Ca2+ vesicle tonic release and the facilitation of evoked synchronous and asynchronous Ca2+ vesicle release.
Molecular Mass	17.6 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	Cplx3 complexin 3 [Mus musculus (house mouse)]
Official Symbol	Cplx3
Synonyms	CPLX3; complexin 3; complexin-3; CPX III; complexin III; lectin, mannose-binding, 1 like; ERGL; CpxIII; Lamn1l; Lman1l; BC016632; ERGIC-53L; MGC21420; MGC38804
Gene ID	235415
mRNA Refseq	NM_146223
Protein Refseq	NP_666335
UniProt ID	Q8R1B5

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