

Recombinant Mouse Cplx4 Protein, Myc/DDK-tagged

Cat. No. Cplx4-2288M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length complexin 4 (Cplx4), 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 Ca ²⁺ vesicle tonic release and the facilitation of evoked synchronous and asynchronous Ca ²⁺ vesicle release.
Molecular Mass	18.4 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 Cplx4 complexin 4 [Mus musculus (house mouse)]

Official Symbol Cplx4

Synonyms CPLX4; complexin 4; complexin-4; CPX IV; complexin IV; CPXIV; Gm957; A930004D23Rik

Gene ID 225644

mRNA Refseq NM_145493

Protein Refseq NP_663468

UniProt ID Q80WM3

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