

Product datasheet for TP501191

Cplx3 (NM_146223) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse complexin 3 (Cplx3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201191 protein sequence Red =Cloning site Green =Tags(s) MAFMVKSMVGGQLKNLTGSLGGGEDKGDGDKSAAEAQGMSREEEYEQKQLVEEKMERDAQFTQRKAERA TLRSHFRDKYRLPKNETDESQIQLAGGDVELPRELAKMIEEDTEEEEDKASVLGQLASLPGLDLSSLKDK AQTTLGDLKQSAEKCHIM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_666335
Locus ID:	235415
UniProt ID:	Q8R1B5
RefSeq Size:	2859
Cytogenetics:	9 B



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RefSeq ORF: 477

Synonyms: BC016632; CpxIII; ERGIC-53L; ERGL; Lamn1l; Lman1l

Summary: Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion (PubMed:19386896). Required for the maintenance of synaptic ultrastructure in the adult retina (PubMed:19386896). Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina (PubMed:15911881, PubMed:19386896, PubMed:27335398). 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 (PubMed:22694764, PubMed:27335398).[UniProtKB/Swiss-Prot Function]