

Product datasheet for TP521631

Cplx1 (NM_007756) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse complexin 1 (Cplx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221631 representing NM_007756 Red =Cloning site Green =Tags(s) MEFVMKQALGGATKDMGKMLGGDEEKDPDAAKKEEERQEALRQAEERKAKYAKMEAEREVMRQGIRDKY GIKKKEEREAEAQAAMEANSEGLTRPKKAIPPGCGDEPEEEDESILDTVIKYLPGPLQDMFKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	15.1 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_031782
Locus ID:	12889
UniProt ID:	P63040
RefSeq Size:	2217
Cytogenetics:	5 F
RefSeq ORF:	405



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Synonyms: 921-S

Summary: Positively regulates a late step in exocytosis of various cytoplasmic vesicles, such as synaptic vesicles and other secretory vesicles (PubMed:23345244). Organizes the SNAREs into a cross-linked zigzag topology that, when interposed between the vesicle and plasma membranes, is incompatible with fusion, thereby preventing SNAREs from releasing neurotransmitters until an action potential arrives at the synapse (PubMed:23345244). Also involved in glucose-induced secretion of insulin by pancreatic beta-cells. Essential for motor behavior (PubMed:15126625, PubMed:16000319).[UniProtKB/Swiss-Prot Function]