

Product datasheet for **TP526092**

Cplx2 (NM_009946) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse complexin 2 (Cplx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226092 representing NM_009946 Red =Cloning site Green =Tags(s) MDFVMKQALGGATKDMGKMLGGEEKDPDAQKKEEERQEALRQQEEERKAKHARMEAEEREKVRQQIRDKY GLKKKEEKEAEKAALEQPCEGSLTRPKKAIPAGCGDEEEEEESILDTVLKYLPGLQDMFKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	15.4 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_034076
Locus ID:	12890
UniProt ID:	P84086
RefSeq Size:	4928
Cytogenetics:	13 B1
RefSeq ORF:	405



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Synonyms: 921-L; AI413745; AW492120

Summary: Negatively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Positively regulates a late step in exocytosis of various cytoplasmic vesicles, such as synaptic vesicles and other secretory vesicles (PubMed:11163241, PubMed:23345244). Also involved in mast cell exocytosis (PubMed:11163241). Although not essential for development, seems critical for the acquisition of higher cognitive functions in the adult brain (PubMed:12915444).[UniProtKB/Swiss-Prot Function]