

## Product datasheet for **TP300969M**

### **CPLX1 (NM\_006651) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human complexin 1 (CPLX1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC200969 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEFVMKQALGGATKDMGKMLGGDEEKDPDAAKKEEERQEALRQAEERKAKYAKMEAEREAVRQGIRDKY  
GIKKKEEREAEAQAAMEANSEGLTRPKKAIPPGCGDEVEEEDSILDTVIKYLPGPLQDMLKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	14.8 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_006642</a>
Locus ID:	10815
UniProt ID:	<a href="#">O14810</a>
RefSeq Size:	2200
Cytogenetics:	4p16.3



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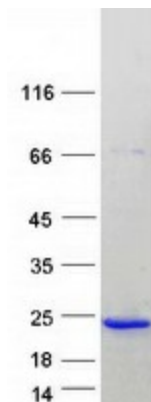
RefSeq ORF: 402

Synonyms: CPX-I; CPX1; DEE63; EIEE63

**Summary:** Proteins encoded by the complexin/synaphin gene family are cytosolic proteins that function in synaptic vesicle exocytosis. These proteins bind syntaxin, part of the SNAP receptor. The protein product of this gene binds to the SNAP receptor complex and disrupts it, allowing transmitter release. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CPLX1 protein (Cat# [TP300969]). The protein was produced from HEK293T cells transfected with CPLX1 cDNA clone (Cat# [RC200969]) using MegaTran 2.0 (Cat# [TT210002]).