

Product datasheet for PH305172

CPLX3 (NM_001030005) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CPLX3 MS Standard C13 and N15-labeled recombinant protein (NP_001025176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205172
Predicted MW:	17.6 kDa
Protein Sequence:	>RC205172 protein sequence Red=Cloning site Green=Tags(s) MAFMVKTMVGGQLKNLTGSLGGGEDKGDGKSAAEAQGMRSREYEEYQKQLVEEKMERDAQFTQRKAERA TLRSHFRDKYRLPKNETDESQIQMAGGDVELPRELAKMIEEDTEEEEEKASVLGQLASLPLNLGSLKDK AQATLGDLKQSAEKCHVM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001025176
RefSeq Size:	2012
RefSeq ORF:	474
Synonyms:	CPX-III; CPXIII; Nbla11589
Locus ID:	594855
UniProt ID:	Q8WVH0 , A0A384N6F4

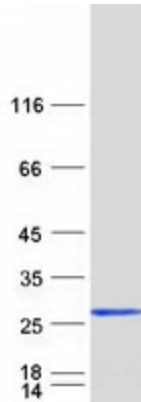


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Cytogenetics: 15q24.1

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

Product images:



Coomassie blue staining of purified CPLX3 protein (Cat# [TP305172]). The protein was produced from HEK293T cells transfected with CPLX3 cDNA clone (Cat# [RC205172]) using MegaTran 2.0 (Cat# [TT210002]).