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Product datasheet for PH312736

CPNE1 (NM_152928) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CPNE1 MS Standard C13 and N15-labeled recombinant protein (NP_690905)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212736
Predicted MW:	58.9 kDa
Protein Sequence:	>RC212736 representing NM_152928 Red=Cloning site Green=Tags(s) MAHCVTLVQLSISCDHLIDKDIGSKSDPLCVLLQDVGGGSWAELGRTERVRNCSSPEFSKTLQLEYRFET VQKLRFGIYDIDNKTPELRDDDFLGGAECSLGQIVSSQVLTLPLMLKPGKPAGRGTITVSAQELKDNRVV TMEVEARNLDKKDFLGKSDPFLEFFRQGDGKWHLVYRSEVIKNNLNPTWKRFSVPVQHFCGGNPSTPIQV QCSDYDSDGSHDLIGTFHTSLAQLQAVPAEFECIHPEKQQKKKSYKNSGTIRVKICRVETEYSFLDYVMG GCQINFTVGVDFTGSNGDPSSPDSLHYLSPTGVNEYLMALWSVGSVVQDYDSDKLFPAFGFGAQVPPDWQ VSHEFALNFNPSNPYCAGIQGIVDAYRQALPQVRLYGPTNFAPIINHVARFAAQAAHQGTASQYFMLLLL TDGAVTDVEATREAVVRASNLPMSVIIVGVGGADFEAMEQLDADGGPLHTRSGQAAARDIVQFVPYRRFQ NAPREALAQTVLAEVPTQLVSYFRAQGWAPLKPLPPSAKDPAQAPQA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_690905
RefSeq Size:	2049
RefSeq ORF:	1611

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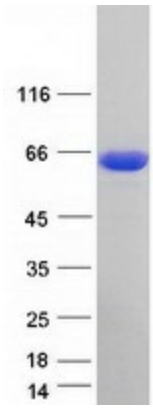
Synonyms:	COPN1; CPN1
Locus ID:	8904
UniProt ID:	Q99829
Cytogenetics:	20q11.22
Summary:	Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Alternate splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Aug 2008]

Product images:



Coomassie blue staining of purified CPNE1 protein (Cat# [TP312736]). The protein was produced from HEK293T cells transfected with CPNE1 cDNA clone (Cat# [RC212736]) using MegaTran 2.0 (Cat# [TT210002]).