

Product datasheet for PH318317

CABP (CABP1) (NM_031205) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CABP1 MS Standard C13 and N15-labeled recombinant protein (NP_112482)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218317
Predicted MW:	25.8 kDa
Protein Sequence:	>RC218317 representing NM_031205 Red=Cloning site Green=Tags(s) MGNCVKYPLRNL SRKMCQEEQTSYVVVQTSEEGLAADAELPGPLLMLAQNCVMHNLGPACIFLRKGFA ENRQPDRSLRPEEIEELREAFREFDKDKGYINCRDLGNCMRMTGYMPTMELIELSQQINMNLGGHVDF DDFVELMGPKLLAETADMIGVKELRDAFREFDTNGDGEISTSELREAMRKL LGHQVGHDRDIEEIIIRDVDL NGDGRVDFEEFVRMSR 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_112482
RefSeq Size:	1201
RefSeq ORF:	681
Synonyms:	CALBRAIN; HCALB_BR
Locus ID:	9478
UniProt ID:	Q9NZU7

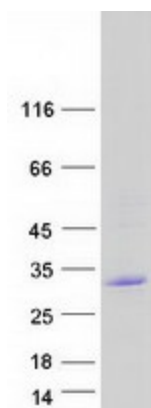


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Cytogenetics: 12q24.31

Summary: Calcium binding proteins are an important component of calcium mediated cellular signal transduction. This gene encodes a protein that belongs to a subfamily of calcium binding proteins which share similarity to calmodulin. The protein encoded by this gene regulates the gating of voltage-gated calcium ion channels. This protein inhibits calcium-dependent inactivation and supports calcium-dependent facilitation of ion channels containing voltage-dependent L-type calcium channel subunit alpha-1C. This protein also regulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors, P/Q-type voltage-gated calcium channels, and transient receptor potential channel TRPC5. This gene is predominantly expressed in retina and brain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]

Product images:



Coomassie blue staining of purified CABP1 protein (Cat# [TP318317]). The protein was produced from HEK293T cells transfected with CABP1 cDNA clone (Cat# [RC218317]) using MegaTran 2.0 (Cat# [TT210002]).