

Product datasheet for **TP318317**

CABP (CABP1) (NM_031205) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcium binding protein 1 (CABP1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218317 representing NM_031205 Red =Cloning site Green =Tags(s)

MGNCVKYPLRNLSRKMCQEEQTSYMWVQTSEEGLAADAELPGLLMLAQNCVMHNLGPAIFLRKGF
ENRQPDRSLRPEEIEELREAFREFDKDKDGYINCRDLGNCMRTMGYMPTEMELIELSQINMNLGGHVDF
DDFVELMGPKLLAETADMIGVKELRDAFREFDTNGDGEISTSELREAMRLLGHQVGHDRDIEIIRDVDL
NGDGRVDFEEFVRMMSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	25.8 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:	<u>NP_112482</u>
Locus ID:	9478
UniProt ID:	<u>Q9NZU7</u>

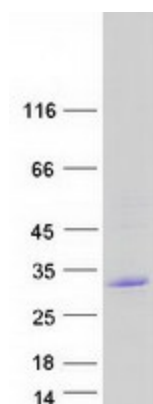


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RefSeq Size:	1201
Cytogenetics:	12q24.31
RefSeq ORF:	681
Synonyms:	CALBRAIN; HCALB_BR

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]).