

Recombinant Human CABP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CABP1-4916H Lot. No. (See product label)

SPECIFICATION

Product Overview	CABP1 MS Standard C13 and N15-labeled recombinant protein (NP_112482) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	25.8 kDa
AA Sequence	MGNCVKYPLRNLSRKMCQEEQTSYMVVQTSEEGLAADAELPGPLLMLAQNCAMH NLLGPACIFLRKGFAENRQPDRSLRP EEIEELREAFREFDKDKDGYINCRDLGNCMR TMGYMPTEMELIELSQQINMNLGGHVDFDDFVELMGPKLLAETADMIGVKELRDAF

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REFDTNGDGEISTSELREAMRKLLGHQVGHRDIEEIIRDVDLNGDGRVDFEEFVRMM
SRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CABP1 calcium binding protein 1; calbrain [Homo sapiens (human)]

Official Symbol CABP1

Synonyms CABP1; calcium binding protein 1; calbrain;

Gene ID 9478

mRNA Refseq NM_031205

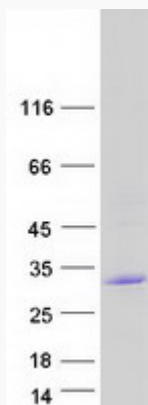
Protein Refseq NP_112482

MIM 605563

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SDS-PAGE

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