

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	<p>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.</p>
Molecular Mass	25.8 kDa
AA Sequence	<p>MGNCVKYPLRNLSRKMCQEEQTSYVVQTSEGLAADAELPGPLLMLAQNCVAMH NLLGPACIFLRKGF AENRQPDRSLRPEEIEELREAFREFDKDKDGYINCRDLGNCMR TMGYMPTEMELIELSQQINMNLGGHVDFDDFVELMGPKLLAETADMIGVKELRDAF</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



REFDTNGDGEISTSELREAMRKLLGHQVGHRDIEEIIIRDVDLNGDGRVDFEEFVRMM
SRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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