

Product information

CABP7, 1-188aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1031

Full name: Calcium-binding protein 7

NCBI Accession No.: NP_872333

Synonyms: Calneuron II, Calneuron-2, CALN2

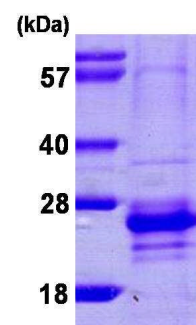
Description: CABP7, also known as Calcium-binding protein 7, contains two EF-hand domains. It negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. The CaBP family of EF-hand containing small Ca (2+)-binding proteins has recently emerged as important regulators of multiple targets essential to normal neuronal function in the mammalian central nervous system. Recombinant human CABP7 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. Phosphate-buffered saline (pH 7.4)

Molecular Weight: 23.7 kDa (208aa) confirmed by MALDI-TOF

Purity: > 80% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MPFHPVTAAL MYRGIYTPN LLSEQRPVDI PEDELEEIRE AFKVFDRDGN GFISKQELGT AMRSLGYMPN
 EVELEVIQR LDMDGDGQVD FEEFVTLGLP KLSTSGIPEK FHGTFDFTVF WKCDMQKLTV DELKRLLYDT FCEHLSMKDI ENIMTEEES
 HLGTAEECPV DVETCSNQQI RQTCVRKS

General references:

McCue H.V., *et al.* (2009) *Biochem. Biophys. Res. Commun.* 380:825-831

Yu L. R., *et al.* (2007) *J. Proteome Res.* 6:4150-4162

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.