

Recombinant Human Calcium Binding Protein 7, His-tagged

Cat. No. CABP7-3516H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CABP7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-188aa).
Species	Human
Source	E.coli
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.
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)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MPFHPVTAAL MYRGIYTPVN LLSEQRPVDI PEDELEEIRE AFKVFDRDGN GFISKQELGT AMRSLGYMPN EVELEVIIQR LDMDGDGQVD FEEFVTLGK KLSTSGIPEK FHGTDFDTVF WKCDMQKLTV DELKRLLYDT FCEHLSMKDI ENIIMTEES HLGTAEECPV DVETCSNQQI

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RQTCVRKS

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.

GENE INFORMATION

Gene Name

[CABP7 calcium binding protein 7 \[Homo sapiens \]](#)

Synonyms

calcium binding protein 7; CALN2; MGC57793; CABP7; calcium-binding protein 7; calneuron 2; calneuron-2; calneuron II

Gene ID

[164633](#)

mRNA Refseq

[NM_182527](#)

Protein Refseq

[NP_872333](#)

UniProt ID

[Q86V35](#)

Chromosome Location

22q12.2

Function

calcium ion binding

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