

# Recombinant human CABP7 protein

Catalog Number: ATGP1031

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-188aa

### UniProt No.

Q86V35

### NCBI Accession No.

NP\_872333

### Alternative Names

Calcium-binding protein 7, Calneuron II, Calneuron-2, CALN2

## PRODUCT SPECIFICATION

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### Molecular Weight

23.7 kDa (208aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-buffered saline (pH 7.4)

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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.

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### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MPFHPVTAAL MYRGIYTPVN LLSEQRPVDI PEDELEEIRE AFKVFDRDGN GFISKQELGT  
AMRSLGYMPN EVELEVIIQR LDMDGDGQVD FEEFVTLGK KLSTSGIPEK FHGTDFTVW WKCDMQKLTV DELKRLLYDT  
FCEHLSMKDI ENIIMTEES HLGTAEECPV DVETCSNQI RQTCVRKS

### General References

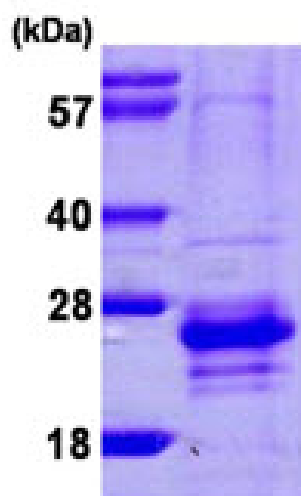
McCue H.V., et al. (2009) *Biochem. Biophys. Res. Commun.* 380:825-831

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

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)