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Recombinant human CABP7 protein

Catalog Number: ATGP1031

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-188aa

UniProt No.

086V35

NCBI Accession No.

NP 872333

Alternative Names

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

PRODUCT SPECIFICATION

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

Description

CABP7, also known as Calcium-binding protein 7, contains two EF-hand domains. It negatively regulates Golgi-toplasma 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

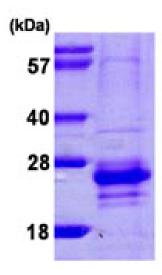
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General References

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

SDS-PAGE



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

15% SDS-PAGE (3ug)