

AR09711PU-N

Human Calneuron-1 (1-192, His-tag) - Purified

Alternate names:

CABP8, CALN1, Calcium-binding protein CaBP8

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

CALN1 is high similarity to the calcium-binding proteins of the calmodulin family. This protein contains two EF-hand domains and potential calcium-binding sites. Also, It negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. CALN1 play a role in the physiology of neurons and is potentially important in memory and learning.

Uniprot ID:

[Q9BXU9](#)

NCBI:

[NP_001017440](#)

GeneID:

[83698](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 50mM NaCl, 0.1mM PMSF

Description:

Recombinant human CALN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPFHHVTAGL LYKGNLYNRS LSAGSDSEQL ANISVEELDE
IREAFRVLDL DGNLFISKQE LGMAMRSLGY MPSEVELAII MQLDMDGDG QVDFDEFMTI
LGPKLVSSEG RDGFLGNTID SIFWQFDMQR ITLEELKHIL YHAFRDHLM KDIENIIINE
EESLNETSGN CQTEFEGVHS QKQNRQTCVR KS

Molecular weight: kDa (212aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

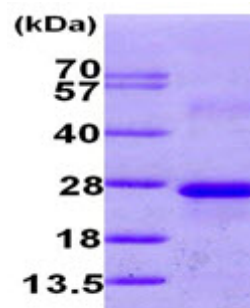
Shelf life: one year from despatch.

General Readings:

McCue HV., et al. (2009) Biochem Biophys Res Commun. 380(4):825-31.

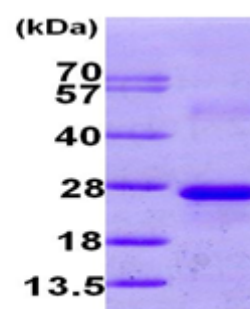
Wu Y.-Q., et al. (2006) Mol. Genet. Metab. 72:343-350.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human CALN1, 1-192aa, His-tagged



15% SDS-PAGE (3ug)