

Recombinant human PDZD11 protein

Catalog Number: ATGP1779

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-140aa

UniProt No.

Q5EBL8

NCBI Accession No.

NP_057568

Alternative Names

PDZ domain-containing protein 11, AIPP1; PDZK11; PISP

PRODUCT SPECIFICATION

Molecular Weight

18.5 kDa (163aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% 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

PDZD11, also known as AIPP1a, is a cytosolic protein which contains one PDZ (DHR) domain. This protein bears resemblance to members of the MALS / VELIS family of proteins. It contains but one PDZ domain that apparently interacts with the C-terminus of partner proteins. PDZD11 is ubiquitously expressed, and appears to target calcium and copper ATPases to basolateral cell membranes. It is a transiently interacting partner of the PMCA b-splice forms that may play a role in their sorting to or from the plasma membrane. Recombinant human PDZD11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

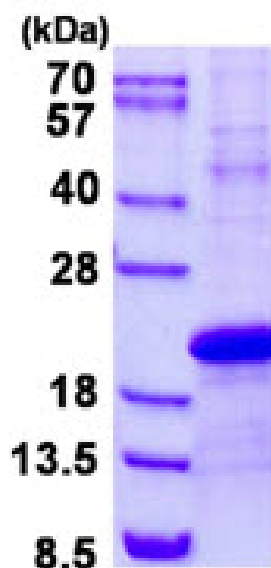
MGSSHHHHHHH SSGLVPRGSH MGSMDSRIPY DDYPVVFLPA YENPPAWIPP HERVHHPDYN NELTQFLPRT ITLKKPPGAQ
LGFNIRGGKA SQLGIFISKV IPDSDAHRAG LQEGDQVLAV NDVDFQDIEH SKAVEILKTA REISMRVRFY PYNHYRQKER TVH

General References

Stephenson SE., et al. (1996). J Biol Chem. 280(39):33270-9.
Goellner GM, et al. (2003). Ann N Y Acad Sci. 986:461-71.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)