# 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**

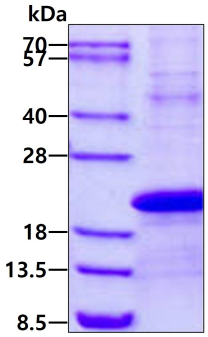
<MGSSHHHHHH SSGLVPRGSH> MGSMDSRIPY DDYPVVFLPA YENPPAWIPP HERVHHPDYN NELTQFLPRT ITLKKPPGAQ LGFNIRGGKA SQLGIFISKV IPDSDAHRAG LQEGDQVLAV NDVDFQDIEH SKAVEILKTA REISMRVRFF PYNYHRQKER TVH

**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.