

Human PDZD11 / PDZK11 / PISP Protein (His Tag)

Catalog Number: 12188-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

AIPP1; PDZK11; PISP; 1810012H22Rik; 2310079D11Rik;
2700099C19Rik; AI854765; Pdzk11

Protein Construction:

A DNA sequence encoding the human PDZD11 (NP_057568.1) (Asp 2-His 140) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human PDZD11 consisting of 146 amino acids and has a calculated molecular mass of 16.9 kDa. It migrates as an 18 kDa band in SDS-PAGE under reducing conditions as predicted.

Formulation:

Lyophilized from sterile PBS, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

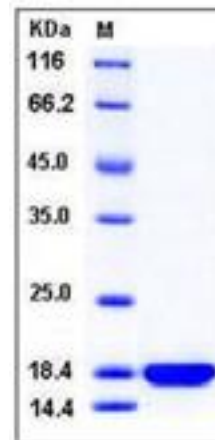
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PDZ domain-containing protein 11, also known as AIPP1a, PISP, PDZD11 and PDZK11, is a cytosolic protein which contains one PDZ (DHR) domain. PDZD11 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. PDZD11 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. Full-length human PDZD11 shares 97% amino acids (aa) identity with mouse PDZD11.

References

- 1.Goellner,G.M. et al., 2003, Ann N Y Acad Sci. 986 :461-71.
- 2.Wolf-Yadlin A., et al., 2007, Proc. Natl. Acad. Sci. USA. 104:5860-5.
- 3.Heibeck T.H., et al.,2009, J. Proteome Res. 8:3852-61.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>