

# Recombinant human PITPNA protein

Catalog Number: ATGP0826

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-270aa

### UniProt No.

Q00169

### NCBI Accession No.

NP\_006215

### Alternative Names

Phosphatidylinositol transfer protein alpha isoform, PI-TP alpha, PITPN, VIB1A, PtdInsTP alpha

## PRODUCT SPECIFICATION

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### Molecular Weight

33.9 kDa (290aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 1mM EDTA

### Purity

> 95% 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

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### Description

Phosphatidylinositol transfer protein alpha, also known PITPNA, is found in the cytoplasm, where it catalyzes the transfer of phosphatidylinositol (PI) and phosphatidylcholine (PC) between membranes. PITPNA is implicated in phospholipase C signaling and in the production of phosphatidylinositol 3, 4, 5-trisphosphate (PIP3) by phosphoinositide-3-kinase. Recombinant human PITPNA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MVLLKEYRVI LPVSVDEYQV GQLYSVAEAS KNETGGGEGV EVLVNEPYEK DGEKGQYTHK  
IYHLQSKVPT FVRMLAPEGA LNIHEKAWNA YPYCRTVITN EYMKEDFLIK IETWHKPD LG TQENVHKLEP EAWKHVEAVY  
IDIADRSQVL SKDYKAEEDP AKFKSIKTGR GPLGPNWKQE LVNQKDCPYM CAYKLVTVKF KWWGLQNKVE NFIHKQERRL  
FTNFHRQLFC WLDKWVDLTM DDIRRMEET KRQLDEMQRK DPVKGMTADD

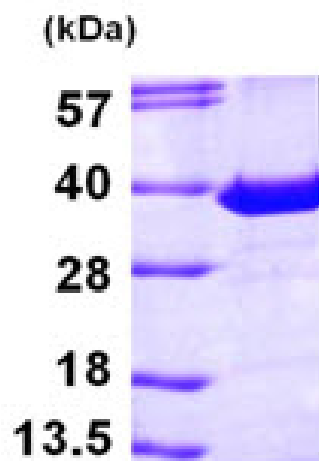
### General References

Monaco M E., et al. (1998) Biochem J. 335:175-179.

Aikawa Y., et al. (1999) J Biol Chem. 274:20569-20577.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)