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# **Recombinant human PITPNA protein**

Catalog Number: ATGP0826

#### **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-270aa

#### UniProt No.

000169

#### **NCBI Accession No.**

NP 006215

#### **Alternative Names**

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

# **PRODUCT SPECIFICATION**

### **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**

#### **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**

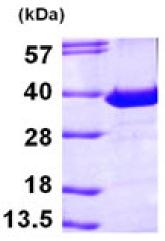
MGSSHHHHHH SSGLVPRGSH MVLLKEYRVI LPVSVDEYQV GQLYSVAEAS KNETGGGEGV EVLVNEPYEK DGEKGQYTHK IYHLQSKVPT FVRMLAPEGA LNIHEKAWNA YPYCRTVITN EYMKEDFLIK IETWHKPDLG TQENVHKLEP EAWKHVEAVY IDIADRSQVL SKDYKAEEDP AKFKSIKTGR GPLGPNWKQE LVNQKDCPYM CAYKLVTVKF KWWGLQNKVE NFIHKQERRL FTNFHRQLFC WLDKWVDLTM DDIRRMEEET KRQLDEMRQK 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**





15% SDS-PAGE (3ug)

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

