

Recombinant Human PITPNA, His-tagged

Cat. No. PITPNA-3381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PITPNA protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 33.9 kDa (290aa).
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 1mM EDTA.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MVLLKEYRVI LPVSVDEYQV GQLYSVAEAS KNETGGGEGV EVLVNEPYEK DGEKGGYTHK IYHLQSKVPT FVRMLAPEGA LNIHEKAWNA YPYCRTVITN EYMKEDFLIK IETWHKPD LG TQENVHKLEP EAWKHVEAVY IDIADRSQVL SKDYKAEEDP AKFKSIKTGR GPLGPNWKQE

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LVNQKDCPYM CAYKLVTVKF KWWGLQNKVE NFIHKQERRL FTNFHRQLFC
WLDKWVDLTM DDIRRMEET KRQLDEMQRK DPVKGMTADD.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Axon guidance

GENE INFORMATION

Gene Name

PITPNA phosphatidylinositol transfer protein, alpha [Homo sapiens]

Synonyms

phosphatidylinositol transfer protein, alpha; PITPN; VIB1A; MGC99649; PI-TPalpha; PITPNA; phosphatidylinositol transfer protein alpha isoform; PI-TP-alpha; ptdInsTP alpha; ptdIns transfer protein alpha; PtdInsTP alpha; PtdIns transfer protein alpha

Gene ID

5306

mRNA Refseq

NM_006224

Protein Refseq

NP_006215

MIM

600174

UniProt ID

Q00169

**Chromosome
Location**

17p13.3

Function

phosphatidylcholine transmembrane transporter activity; phosphatidylinositol transporter activity; phospholipid binding; protein binding

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