

Recombinant human PITPNB protein

Catalog Number: ATGP0778

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-271aa

UniProt No.

P48739

NCBI Accession No.

NP_036531

Alternative Names

Phosphatidylinositol transfer protein beta isoform, PI-TP-beta, PtdInsTP beta, VIB1B

PRODUCT SPECIFICATION

Molecular Weight

33.7 kDa (291aa) 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

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 beta isoform, also known PITPNB, is found in the cytoplasm, where it catalyzes the transfer of phosphatidylinositol (PI) and phosphatidylcholine (PC) between membranes. PITPNB mobilizes PI from the endoplasmic reticulum and regulates the release of PI from stored vesicles in the Golgi network. PITPNB is widely expressed in various tissues. Recombinant human PITPNB 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 MVLIKEFRVV LPCSVQEYQV GQLYSVAEAS KNETGGGEGI EVLKNEPYEK DGEKGQYTHK
IYHLKSKVPA FVRMIAPEGS LVFHEKAWNA YPYCRTIVTN EYMKDDFFIK IETWHKPD LG TLENVHGLDP NTWKTVEIVH
IDIADRSQVE PADYKADEDP ALFQSVKTKR GPLGPNWKKE LANSPDCPQM CAYKLVTIKF KWWGLQSKVE NFIQKQEKRI
FTNFHRQLFC WIDKWIDLTM EDIRMEDET QKELETMRKR GSVRG TSAAD V

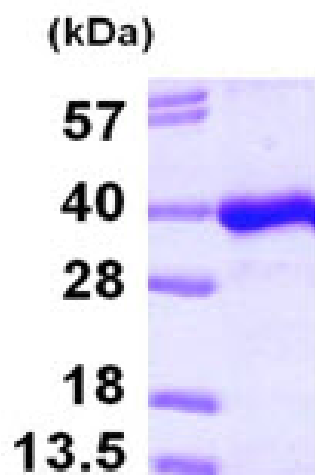
General References

Sequi B., et al. (2002) Biochem J. 366:23-34.

Rikova K., et al. (2007) Cell. 131:1190-1203.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)