

## PITPNB cDNA

Catalog Number: ATGD0033

### PRODUCT INFORMATION

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**Catalog number**

ATGD0033

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_036531.1

**Alternative Names**

PI-TP-beta, PtdInsTP, VIB1B

**mRNA Refseq**

NM\_012399.4

**OMIM**

606876

**Chromosome location**

22q12.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

816bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## PITPNB cDNA

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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

## DATA

### Sequence nucleotides

```
ATGGTGCTGA TCAAGGAATT CCGTGTGGTT TTGCCATGTT CTGTT CAGGA GTATCAGGTT GGGCAGCTTT
ACTCTGTTGC AGAAGCTAGT AAGAATGAGA CTGGTGGTGG AGAAGGAATT GAAGTCTTAA AGAATGAACC
TTATGAGAAG GATGGAGAAA AGGGACAGTA TACGCACAAA ATTTATCACC TAAAGAGCAA AGTGCCTGCA
TTCGTGAGGA TGATTGCTCC CGAGGGCTCC TTGGTGTTC ATGAGAAAGC CTGGAATGCG TACCCCTACT
GTAGAACAAT TGTAACGAAT GAATATATGA AAGATGATTT CTTCATTAAT ATCGAAACAT GGCACAAACC
AGACTTGGGA ACATTAGAAA ATGTACATGG TTTAGATCCA AACACATGGA AACTGTGGA AATTGTCCAT
ATAGATATTG CAGATAGAAG TCAAGTTGAA CCAGCAGACT ACAAAGCTGA TGAAGACCCA GCATTATTCC
AGTCAGTCAA GACCAAGAGA GGCCCTTTGG GACCCAAGTGA GAAGAAGGAG CTGGCAAACA GCCCTGACTG
TCCCAGATG TGTGCCTATA AGCTGGTGAC CATCAAATTC AAGTGGTGGG GACTGCAAAG CAAAGTAGAA
AACTTCATTC AAAAGCAAGA AAAACGGATA TTTACAAACT TCCATCGCCA GCTTTTTTGT TGGATTGACA
AGTGGATCGA TCTCACGATG GAAGACATTA GGAGAATGGA AGACGAGACT CAGAAAGAAC TAGAAACAAT
GCGTAAGAGG GGTTCCGTTC GAGGCACGTC GGCTGCTGAT GTCTAG
```

### Transaction Sequence

```
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
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