

PITPNB cDNA

Catalog Number: ATGD0033

PRODUCT INFORMATION

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

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

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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 CTTCATTTAA ATCGAAACAT GGCACAAACC
AGACTTGGGA ACATTAGAAA ATGTACATGG TTTAGATCCA AACACATGGA AACTGTTGA 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
CGTAAGAGG GGTTCCGTTT GAGGCACGTC GGCTGCTGAT GTCTAG
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Transaction Sequence

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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 GSVRGTSAAD V
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