

PITPNA cDNA

Catalog Number: ATGD0188

PRODUCT INFORMATION

Catalog number

ATGD0188

Product type

cDNA

Species

Human

NCBI Accession No.

NP_006215.1

Alternative Names

HEL-S-36, PI-TPalpha, PITPN, VIB1A

mRNA Refseq

NM_006224.3

OMIM

600174

Chromosome location

17p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

813bp

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

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PITPNA encodes a member of a family of lipid-binding proteins that transfer molecules of phosphatidylinositol or phosphatidylcholine between membrane surfaces. The protein is implicated in phospholipase C signaling and in the production of phosphatidylinositol 3, 4, 5-trisphosphate (PIP3) by phosphoinositide-3-kinase.

DATA

Sequence nucleotides

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ATGGTGCTGCTCAAGGAGTATCGAGTAATCCTGCCTGTGTCTGTAGATGAGTATCAAGTGGGGCAGCTGTATTCTGTGGCT
GAGGCCAGTAAAAATGAAACGGGTGGTGGCGAAGGCGTGGAGGTCCTGGTGAATGAGCCCTACGAGAAGGACGGTGAGA
AAGGCCAGTACACACACAAGATCTACCACCTGCAGAGCAAAGTACCCACGTTTGTTCGAATGCTGGCCCCAGAGGGAGCCC
TGAATATACACGAGAAAAGCCTGGAATGCTTACCCCTACTGCAGAACCCTTATTACAAATGAGTACATGAAAGAAGACTTTCT
GATTAATGAAACCTGGCACAACCAGATCTTGGCACGCAGGAGAATGTGCATAAGCTGGAGCCTGAGGCGTGGAAACA
CGTGGAAAGCCGTATATATAGACATTGCAGATCGAAGCCAAGTGCTCAGCAAGGATTACAAGGCAGAGGAAGACCCAGCAAA
ATTTAAATCTATCAAAACAGGCCGAGGACCCCTGGGCCCAATTGGAAGCAAGAGCTTGTAACCAGAAGGACTGCCCATAT
ATGTGTGCATACAACTGGTGACCGTCAAGTTCAGTGGTGGGGCCTGCAGAACAAAGTGGAGAACTTCATCCATAAGCAA
GAGAGGCGTCTGTTTACAACTTCCACAGGCAGCTGTTCTGTTGGCTCGATAAGTGGGTTGACCTGACCATGGACGACATTC
GAAGGATGGAAGAAGAGACGAAGAGACAGCTGGATGAAATGAGACAAAAGGACCCAGTGAAGGAATGACAGCAGATGAC
TAA
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Transaction Sequence

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MVLLKEYRVI LPVSVDEYQV GQLYSVAEAS KNETGGGEGV EVLVNEPYEK DGEKGQYTHK IYHLQSKVPT FVRMLAPEGA
LNIHEKAWNA YPYCRTVITN EYMKEDFLIK IETWHKPD LG TQENVHKLEP EAWKHVEAVY IDIADRSQVL SKDYKAEEDP
AKFKSIKTGR GPLGPNWKQE LVNQKDCPYM CAYKLVTVKF KWWGLQNKVE NFIHKQERRL FTNFHRQLFC WLDKWVDLTM
DDIRMEEET KRQLDEMRQK DPVKGMTADD
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