

# PITPNA cDNA

Catalog Number: ATGD0188

## PRODUCT INFORMATION

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**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

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**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**

## PITPNA cDNA

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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

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#### Sequence nucleotides

```
ATGGTGCTGCTCAAGGAGTATCGAGTAATCCTGCCTGTGTCTGTAGATGAGTATCAAGTGGGGCAGCTGTATTCTGTGGCT
GAGGCCAGTAAAAATGAAACGGGTGGTGGCGAAGGCGTGGAGGTCCTGGTGAATGAGCCCTACGAGAAGGACGGTGAGA
AAGGCCAGTACACACACAAGATCTACCACCTGCAGAGCAAAGTACCCACGTTTGTTCGAATGCTGGCCCCAGAGGGAGCCC
TGAATATACACGAGAAAAGCCTGGAATGCTTACCCCTACTGCAGAACCCTTATTACAAATGAGTACATGAAAGAAGACTTTCT
GATTAATGAAACCTGGCACAACCAGATCTTGGCACGCAGGAGAATGTGCATAAGCTGGAGCCTGAGGCGTGGAAACA
CGTGGAAAGCCGTATATATAGACATTGCAGATCGAAGCCAAGTGCTCAGCAAGGATTACAAGGCAGAGGAAGACCCAGCAAA
ATTTAAATCTATCAAAACAGGCCGAGGACCCCTGGGCCCAATTGGAAGCAAGAGCTTGTAACCAGAAGGACTGCCCATAT
ATGTGTGCATACAACTGGTGACCGTCAAGTTCAGTGGTGGGGCCTGCAGAACAAAGTGGAGAACTTCATCCATAAGCAA
GAGAGGCGTCTGTTTACAACTTCCACAGGCAGCTGTTCTGTTGGCTCGATAAGTGGGTTGACCTGACCATGGACGACATTC
GAAGGATGGAAGAAGAGACGAAGAGACAGCTGGATGAAATGAGACAAAAGGACCCAGTGAAGGAATGACAGCAGATGAC
TAA
```

#### Transaction Sequence

```
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
```