

## PDZD11 cDNA

Catalog Number: ATGD0308

### PRODUCT INFORMATION

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**Catalog number**

ATGD0308

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_057568.1

**Alternative Names**

AIPP1, PDZK11, PISP

**mRNA Refseq**

NM\_016484.4

**OMIM**

300632

**Chromosome location**

Xq13.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

423bp

**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**

## PDZD11 cDNA

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PDZD11 is a cytosolic protein which contains one PDZ (DHR) domain. It is ubiquitously expressed, and appears to target calcium and copper ATPases to basolateral cell membranes. It is a transiently interacting partner of the PMCA b-splice forms that may play a role in their sorting to or from the plasma membrane.

### DATA

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#### Sequence nucleotides

```
ATGGACAGCCGGATTCCCTTATGATGACTACCCGGTGGTTTTCTTGCCTGCCTATGAGAATCCTCCAGCATGGATTCCCTCCTC
ATGAGAGGGTACACCACCCGGACTACAACAATGAGTTGACCCAGTTTCTGCCCGAACCATCACACTGAAGAAGCCTCCTG
GAGCTCAGTTGGGATTTAACATCCGAGGAGGAAAGGCCTCCCAGCTAGGCATCTTCATCTCCAAGGTGATTCCCTGACTCTGA
TGCACATAGAGCAGGACTGCAGGAAGGGGACCAAGTTCTAGCTGTGAATGATGTGGATTTCCAAGATATTGAGCACAGCAA
GGCTGTTGAGATCCTGAAGACAGCTCGTGAATCAGCATGCGTGTGCGCTTCTTCCCTACAATTATCATCGCCAAAAAGAG
AGGACTGTGCACTAG
```

#### Transaction Sequence

```
MDSRIPYDDY PVVFLPAYEN PPAWIPHER VHHPDYNEL TQFLPRITL KKPPGAQLGFNIRGGKASQL GIFISKVIPD
SDAHRAGLQE GDQVLAVNDV DFQDIEHKA VEILKTAREISMRVRFPPYN YHRQKERTVH
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