

PKIB cDNA

Catalog Number: ATGD0091

PRODUCT INFORMATION

Catalog number

ATGD0091

Product type

cDNA

Species

Human

NCBI Accession No.

NP_861460.1

Alternative Names

PRKACN2

mRNA Refseq

NM_181795.2

OMIM

606914

Chromosome location

6q22.31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

237bp

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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PKIB, also known as cAMP-dependent protein kinase inhibitor beta, is a member of the cAMP-dependent protein kinase inhibitor family. This protein may interact with the catalytic subunit of cAMP-dependent protein kinase and act as a competitive inhibitor. At least three alternatively spliced transcript variants encoding the same protein have been reported

DATA

Sequence nucleotides

```
ATGAGGACAG ATTCATCAAA AATGACTGAC GTGGAGTCTG GGGTCGCCAA TTTTGCATCT TCAGCAAGGG
CAGGCCGCCG GAATGCCTTA CCAGACATCC AGAGTTCAGC TGCCACAGAC GGAACCTCAG ATTTGCCCCT
CAAACCTGGAG GCTCTCTCCG TGAAGGAAGA TGCAAAAGAG AAAGATGAAA AAACAACACA AGACCAATTG
GAAAAGCCTC AAAATGAAGA AAAATGA
```

Transaction Sequence

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MRTDSSKMTD VESGVANFAS SARAGRRNAL PDIQSSAATD GTSDLPLKLE ALSVKEDAKE KDEKTTQDQL EKPQNEEK
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