

PIN4 cDNA

Catalog Number: ATGD0020

PRODUCT INFORMATION

Catalog number

ATGD0020

Product type

cDNA

Species

Human

NCBI Accession No.

AAH93700.1

Alternative Names

EPVH, PAR14

mRNA Refseq

BC093700.1

OMIM

300252

Chromosome location

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

471bp

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

PIN4, also known as Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4, is peptidyl-prolyl cis/trans isomerase (PPIase) that interacts with NIMA and is essential for cell cycle regulation. There are two different isoforms which

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are PAR14 and PAR17. PIN4/PAR17 was imported into mitochondria in a time and membrane potential-dependent manner, where it reached the mitochondrial matrix. Moreover, Pin4 protein was shown to bind to double-stranded DNA under physiological salt conditions

DATA

Sequence nucleotides

```
ATGCCCATGG CGGGGCTTCT AAAGGGGCTT GTACGGCAAC TGGAGCAGTT CAGAGTTCAA CAACAAGCTT  
CCAAGATGCC GCCCAAAGGA AAAAGTGGTT CTGGAAAAGC GGGGAAAGGG GGAGCAGCCT CTGGGAGTGA  
CAGTGCTGAC AAGAAGGCTC AAGGTCCCAA AGGTGGTGGC AATGCAGTAA AGGTCAGACA CATTCTATGT  
GAAAAACATG GCAAATCAT GGAAGCCATG GAAAAGTTAA AGTCTGGGAT GAGATTCAAT GAAGTGGCCG  
CACAGTATAG TGAAGATAAA GCCAGGCAAG GGGGTGACTT GGGTTGGATG ACCAGAGGGT CCATGGTGGG  
ACCATTTCAA GAAGCAGCAT TTGCCTTGCC TGTAAGTGGG ATGGATAAGC CTGTGTTTAC AGACCCACCG  
GTTAAGACAA AATTTGGATA TCATATTATT ATGGTCGAAG GAAGAAAATA A
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Transaction Sequence

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MPMAGLLKGL VRQLEQFRVQ QQASKMPPKG KSGSGKAGKG GAASGSDSAD KKAQGPKGGG NAVKVRHILC  
EKHGKIMEAM EKLKSGMRFN EVAAQYSEDK ARQGGDLGWM TRGSMVGPFG EAAFALPVSG MDKPVFTDPP VKTKFGYHII  
MVEGRK
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