

PFDN1 cDNA

Catalog Number: ATGD0068

PRODUCT INFORMATION

Catalog number

ATGD0068

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002613.2

Alternative Names

PDF, PFD1

mRNA Refseq

NM_002622.4

OMIM

604897

Chromosome location

5q31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

369bp

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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PFDN1 is one of six subunits of prefoldin, a heterohexameric chaperone protein which assists in the correct folding of other proteins. This protein delivers nonnative target proteins, principally actins and tubulins, to the eukaryotic cytosolic chaperonin for facilitated folding. Defects in PFDN1 displayed phenotypes characteristic of defects in cytoskeletal function, including manifestations of ciliary dyskinesia, neuronal loss, and defects in B and T cell development and function.

DATA

Sequence nucleotides

```
ATGGCCGCC CCGTGGATCT AGAGCTGAAG AAGGCCTTCA CAGAGCTTCA AGCCAAAGTT ATTGACACTC
AACAGAAGGT GAAGCTCGCA GACATACAGA TTGAACAGCT AACAGAACG AAAAAGCATG CACATCTTAC
AGATACAGAG ATCATGACTT TGGTAGATGA GACTAACATG TATGAAGGTG TAGGAAGAAT GTTTATTCTT
CAGTCCAAGG AAGCAATTCA CAGTCAGCTG TTAGAGAAGC AGAAAATAGC AGAAGAAAAA ATTAAAGAAC
TAGAACAGAA AAAGTCCTAC CTGGAGCGAA GCGTTAAGGA AGCTGAGGAC AACATCCGGG AGATGCTGAT
GGCACGAAGG GCCCAGTAG
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Transaction Sequence

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MAAPVDLELK KAFTELQAKV IDTQQVKVLA DIQIEQLNRT KKHAHLTDTE IMLVDETMM YEGVGRMFIL QSKEAIHSQL
LEKQKIAEEK IKELEQKKS Y LERSVKEAED NIREMLMARR AQ
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