

PEF1 cDNA

Catalog Number: ATGD0226

PRODUCT INFORMATION

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ATGD0226

Product type

cDNA

Species

Human

NCBI Accession No.

NP_036524.1

Alternative Names

PEF1A, PEFLIN

mRNA Refseq

NM_012392.2

OMIM

610033

Chromosome location

1p34

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

855bp

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 Kpn 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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PEF1 encodes a calcium-binding protein belonging to the penta-EF-hand protein family. The encoded protein has been shown to form a heterodimer with the programmed cell death 6 gene product and may modulate its function in Ca (2+) signaling. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 1.

DATA

Sequence nucleotides

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ATGGCCAGCTATCCTTACCGGCAGGGCTGCCCAGGAGCTGCAGGACAAGCACCAGGAGCCCCTCCGGGTAGCTACTACCC
TGGACCCCCCAATAGTGGAGGGCAGTATGGTAGTGGGCTACCCCCTGGTGGTGGTTATGGGGGTCTGCCCCTGGAGGGC
CTTATGGACCACCAGCTGGTGGAGGGGCCCTATGGACACCCCAATCCTGGGATGTTCCCCTCTGGAACCTCCAGGAGGACCAT
ATGGCGGTGCAGCTCCCGGGGGGCCCTATGGTCAGCCACCTCCAAGTTCCTACGGTGCCCAGCAGCCTGGGCTTTATGGA
CAGGGTGGCGCCCCCTCCAATGTGGATCCTGAGGCCTACTCCTGGTTCCAGTCGGTGGACTCAGATCACAGTGGCTATATC
TCCATGAAGGAGCTAAAGCAGGCCCTGGTCAACTGCAATTGGTCTTCATTCAATGATGAGACCTGCCTCATGATGATAAACA
TGTTTGACAAGACCAAGTCAGGCCGCATCGATGTCTACGGCTTCTCAGCCCTGTGGAAATTCATCCAGCAGTGAAGAACCT
CTTCAGCAGTATGACCGGGACCGCTCGGGCTCCATTAGCTACACAGAGCTGCAGCAAGCTCTGTCCCAAATGGGCTACAA
CCTGAGCCCCCAGTTCACCCAGCTTCTGGTCTCCCGCTACTGCCACGCTCTGCCAATCCTGCCATGCAGCTTGACCGCTTC
ATCCAGGTGTGCACCCAGCTGCAGGTGCTGACAGAGGCCTTCCGGGAGAAGGACACAGCTGTACAAGGCAACATCCGGCT
CAGCTTCGAGGACTTCGTCACCATGACAGCTTCTCGGATGCTATGA
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Transaction Sequence

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MASYPYRQGC PGAAGQAPGA PPGSYYPGPP NSGGQYGSL PPGGGYGGPA PGGPYGPPAG GGPYGHNPNG
MFPSGTPGGP YGGAAPGGPY GQPPSSYGA QPGLYGQGG APPNVDPEAY SWFQSVSDH SGYISMKELK
QALVNCNWSS FNDETCLMMI NMFDKTKSGR IDVYGFSALW KFIQQWKNLF QQYDRDRSGS ISYTELQQAL SQMGYNLSPQ
FTQLLSRYC PRSANPAMQL DRFIQVCTQL QVLTEAFREK DTA VQGNIRL SFEDFVTMTA SRML
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