

PARD6B cDNA

Catalog Number: ATGD0310

PRODUCT INFORMATION

Catalog number

ATGD0310

Product type

cDNA

Species

Human

NCBI Accession No.

NP_115910.1

Alternative Names

PAR6B

mRNA Refseq

NM_032521.2

OMIM

608975

Chromosome location

20q13.13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1119bp

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

PARD6B cDNA

Catalog Number: ATGD0310

PARD6B is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.

DATA

Sequence nucleotides

```
ATGAACCGCAGCCACCGGCACGGGGCGGGCAGCGGCTGCCTGGGCACTATGGAGGTGAAGAGCAAGTTTGGAGCTGAAT
TTCGTCGGTTTTTCGCTGGAAGATCAAAACCTGGAATAATTTGAGGAGTTTTATGGATTACTACAACATGTTTCATAAGATCCCC
AATGTTGACGTTTTTGGTAGGCTATGCAGACATCCATGGAGACTTACTACCTATAAATAATGATGATAATTATCACAAAGCTGT
TTCAACGGCCAATCCACTGCTTAGGATATTTATACAAAAGAAGGAAGAAGCAGACTACAGTGCCTTTGGTACAGACACGCTA
ATAAAGAAGAAGAATGTTTTAAACCAACGTATTGCGTCCTGACAACCATAGAAAAAAGCCACATATAGTCATTAGTATGCCCA
AGACTTTAGACCTGTGTCTTCTATTATAGACGTGGATATTCTCCAGAAACGCATCGTAGGGTACGTCTTTACAAATACGGCA
CGGAGAAACCCCTAGGATTCTACATCCGGGATGGCTCCAGTGTGAGGGTAACACCACATGGCTTAGAAAAGGTTCCAGGGA
TCTTTATATCCAGGCTTGTCCAGGAGGTCTGGCTCAAAGTACAGGACTATTAGCTGTTAATGATGAAGTTTTAGAAGTTAAT
GGCATAGAAGTTTCAGGGAAGAGCCTTGATCAAGTAACAGACATGATGATTGCAAATAGCCGTAACCTCATCATAACAGTGA
GACCGGCAAACCAGAGGAATAATGTTGTGAGGAACAGTCGGACTTCTGGCAGTTCCGGTCAGTCTACTGATAACAGCCTTC
TTGGCTACCCACAGCAGATTGAACCAAGCTTTGAGCCAGAGGATGAAGACAGCGAAGAAGATGACATTATCATTGAAGACA
ATGGAGTGCCACAGCAGATTCCAAAAGCTGTTCTAATACTGAGAGCCTGGAGTCATTAACACAGATAGAGCTAAGCTTTGA
GTCTGGACAGAATGGCTTTATTCCCTCTAATGAAGTGAGCTTAGCAGCCATAGCAAGCAGCTCAAACACGGAATTTGAAACA
CATGCTCCAGATCAAAAACCTCTTAGAAGAAGATGGAACAATCATAACATTATGA
```

Transaction Sequence

```
MNRSHRHGAG SGCLGTMEVK SKFGAEFRF SLERSKPGKF EEFYGLLQHV HKIPNVDVLVGYADIHGDL PINNDDNYHK
AVSTANPLLR IFIQKKEAD YSAFGDTLI KKKNVLTNVLRPDNRKPKH IVISMPQDFR PVSSIIDVDI LPETHRRVRL
YKYGTEKPLG FYIRDGSSVRVTPHGLEKVP GIFISRLVPG GLAQSTGLLA VNDEVLEVNG IEVSGKSLDQ
VTDMMIANSRNLITVRPAN QRNNVVRNSR TSGSSGQSTD NSLLGYPQI EPSFEPEDED SEEDDIIIEDNGVPQQIPKA
VPNTESLESL TQIELSFESG QNGFIPSNEV SLAAIASSN TEFETHAPDQKLEEDGTII TL
```