

CDKN3 cDNA

Catalog Number: ATGD0202

PRODUCT INFORMATION

Catalog number

ATGD0202

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005183.2

Alternative Names

CDI1, CIP2, KAP, KAP1

mRNA Refseq

NM_005192.3

OMIM

123832

Chromosome location

14q22

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

639bp

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 Nde 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

CDKN3 cDNA

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CDKN3 encoded by this gene belongs to the dual specificity protein phosphatase family. CDKN3 was identified as a cyclin-dependent kinase inhibitor, and has been shown to interact with, and dephosphorylate CDK2 kinase, thus prevent the activation of CDK2 kinase. CDKN3 was reported to be deleted, mutated, or overexpressed in several kinds of cancers. Alternatively spliced transcript variants encoding different isoforms have been found for CDKN3.

DATA

Sequence nucleotides

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ATGAAGCCGCCAGTTCAATACAAACAAGTGAGTTTGACTCATCAGATGAAGAGCCTATTGAAGATGAACAGACTCCAATTC
ATATATCATGGCTATCTTTGTCACGAGTGAATTGTTCTCAGTTTCTCGGTTTATGTGCTCTTCCAGGTTGTAATTTAAAGATG
TTAGAAGAAATGTCCAAAAAGATACAGAAGAATAAAGAGCTGTGGTATACAAGACATATTTGTTTTCTGCACCAGAGGGGA
ACTGTCAAATATAGAGTCCCAAACCTTCTGGATCTCTACCAGCAATGTGGAATTATCACCCATCATCATCCAATCGCAGATG
GAGGGACTCCTGACATAGCCAGCTGCTGTGAAATAATGGAAGAGCTTACAACCTGCCTTAAAAATTACCGAAAAACCTTAAT
ACACTGCTATGGAGGACTTGGGAGATCTTGTCTTGTAGCTGCTTGTCTCCTACTATACCTGTCTGACACAATATCACCAGAG
CAAGCCATAGACAGCCTGCGAGACCTAAGAGGATCCGGGGCAATACAGACCATCAAGCAATACAATTATCTTCATGAGTTTC
GGGACAAATTAGCTGCACATCTATCATCAAGAGATTACAATCAAGATCTGTATCAAGATAA
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Transaction Sequence

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MKPPSSIQTS EFDSSDEEPI EDEQTPIHIS WLSLSRVNCS QFLGLCALPG CKFKDVRRNVQKDTEELKSC GIQDIFVFCT
RGELSKYRVP NLLDLYQQCG IITHHHPIAD GGTPDIASCCEIMEELTTCL KNYRKTLIHC YGGLGRSCLV AACLLLYLSD
TISPEQAIDS LRDLRGSGAIQTIKQYNYLH EFRDKLAAHL SSRDSQSRSV SR
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