

CMPK1 cDNA

Catalog Number: ATGD0217

PRODUCT INFORMATION

Catalog number

ATGD0217

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057392.1

Alternative Names

CK, CMK, CMPK, UMK, UMP-CMPK, UMPK

mRNA Refseq

NM_016308.2

OMIM

191710

Chromosome location

1p32

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

687bp

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

CMPK1 cDNA

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CMPK1 encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants.

DATA

Sequence nucleotides

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ATGCTGAGCCGCTGCCGCAGCGGGCTGCTCCACGTCCTGGGCCTTAGCTTCCTGCTGCAGACCCGCCGGCCGATTCTCCTC
TGCTCTCCACGTCCTCATGAAGCCGCTGGTCGTGTTTCGTCCTCGGCGGCCCCGGCGCCGGCAAGGGGACCCAGTGCGCCCG
CATCGTCGAGAAATATGGCTACACACACCTTTCTGCAGGAGAGCTGCTTCGTGATGAAAGGAAGAACCCAGATTCACAGTAT
GGTGAACCTTATTGAAAAGTACATTAAGAAGGAAAGATTGTACCAGTTGAGATAACCATCAGTTTATTAAGAGGGGAAATGG
ATCAGACAATGGCTGCCAATGCTCAGAAGAATAAATTCTTGATTGATGGGTTTCCAAGAAATCAAGACAACCTTCAAGGATG
GAACAAGACCATGGATGGGAAGGCAGATGTATCTTTCGTTCTCTTTTTTGAAGTAATAATGAGATTTGTATTGAACGATGTC
TTGAGAGGGGAAAGAGTAGTGGTAGGAGTGATGACAACAGAGAGAGCTTGAAAAGAGAATTCAGACCTACCTTCAGTCAA
CAAAGCCAATTATTGACTTATATGAAGAAATGGGGAAAGTCAAGAAAATAGATGCTTCTAAATCTGTTGATGAAGTTTTTAT
GAAGTTGTGCAGATTTTTTACAAGGAAGGCTAA
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Transaction Sequence

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MLSRCRSGLL HVLGLSFLQ TRRPILLCSPL RLMKPLVVFV LGPGAGKGT QCARIVEKYG YTHLSAGELL RDERKNPDSQ
YGELIEKYIK EGKIVPVEIT ISLLKREMDQ TMAANAQKNK FLIDGFPRNQ DNLQGWNKTM DGKADVSVFL FFDCNNEICI
ERCLERKSS GRSDDNRESL EKRIQTYLQS TKPIIDLVEE MGKVKKIDAS KSVDEVFDEV VQIFDKEG
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