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PMVK cDNA

Catalog Number: ATGD0126

PRODUCT INFORMATION

Catalog number

ATGD0126

Product type

cDNA

Species

Human

NCBI Accession No.

NP 006547.1

Alternative Names

HUMPMKI, PMK, PMKA, PMKASE

mRNA Refseq

NM_006556.3

OMIM

607622

Chromosome location

1q22

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

579bp

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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PMVK encodes a peroxisomal enzyme that catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate, the fifth reaction of the cholesterol biosynthetic pathway. Studies in rat show that the message level and the enzyme activity of this protein is regulated by sterol, and that this regulation is coordinated with 3-hydroxy-3-methylglutaryl coenzyme A reductase, the rate-limiting enzyme of cholesterol biosynthesis.

DATA

Sequence nucleotides

Transaction Sequence

MAPLGGAPRL VLLFSGKRKS GKDFVTEALQ SRLGADVCAV LRLSGPLKEQ YAQEHGLNFQ RLLDTSTYKE AFRKDMIRWG EEKRQADPGF FCRKIVEGIS QPIWLVSDTR RVSDIQWFRE AYGAVTQTVR VVALEQSRQQ RGWVFTPGVD DAESECGLDN FGDFDWVIEN HGVEQRLEEQ LENLIEFIRS RL

