

PSTK cDNA

Catalog Number: ATGD0412

PRODUCT INFORMATION

Catalog number

ATGD0412

Product type

cDNA

Species

Human

NCBI Accession No.

NP_699167.1

Alternative Names

C10orf89, MGC35392

mRNA Refseq

NM_153336.1

OMIM

611310

Chromosome location

10q26.13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1047bp

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

PSTK cDNA

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PSTK (Phosphoseryl-TRNA Kinase) is specifically phosphorylates seryl-tRNA (Sec) to O-phosphoseryl-tRNA (Sec), an activated intermediate for selenocysteine biosynthesis

DATA**Sequence nucleotides**

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ATGAAGACCGCCGAGAACATCAGAGGAACCGGCAGCGACGGGCCGCGGAAACGAGGCCTCTGCGTCCTCTGTGGCCTCCC  
CGCGGCAGGAAAATCGACTTTCGCGCGCGCCCTCGCCACCGGCTGCAGCAGGAGCAGGGTTGGGCCATCGGTGTTGTCG  
CGTATGATGACGTCATGCCCGACGCGTTTCTCGCCGGGGCAAGAGCGCGACCGGCCCATCCCAATGGAAATTGCTTCGA  
CAGGAAGTGTGAAGTACCTGGAATACTTCTTGATGGCTGTCATTAATGGGTGTCAGATGTCTGTCCCACCAACAGGACTG  
AAGCCATGTGGGAAGATTTTATAACCTGCTTAAAGGATCAAGATCTGATATTTTCTGCAGCATTGAGGCCAGTCTTGCTAC  
CTCTTAACAAAACTGCTGTTTCTAGACCTTTGTTTTGGTTTTGGATGACAATTTTTATTATCAGAGTATGAGATATGAAGTC  
TACCAGCTGGCTCGGAAATATTCATTGGGCTTTTGCCAGCTCTTTTAGATTGCCTCTTGAGACCTGTTTACAGAGGAATGG  
CCAGAGGCCACAGGCACTGCCTCCTGAGACCATCCACCTGATGCGAAGAAAGCTAGAAAAGCCCAACCCTGAGAAAAATGC  
TTGGGAACACAACAGCCTCACAATTCGAGTCCAGCATGTGCTTCGGAGGCCAGCCTGGAAGTGACTGATTTATTGCTCACT  
GCTTTGGAAAATCCAGTAAAATATGCTGAGGACAATATGGAACAAAAGGACACAGACAGAATTATTTGTTCAACTAACATTCT  
TCATAAACTGATCAGACACTCCGAAGGATTGTATCTCAGACAATGAAGGAAGCAAAGGTAATCAGGAAGCCTTCTCAGAG  
ATGACATTTAAGCAAAGATGGGTAAGAGCGAACCATGCAGCTATCTGGAGGATCATTCTAGGCAATGAACACATCAAGTGC  
AGAAGCGCAAAGGTTGGCTGGTTGCAGTGTTCAGAATCGAGAAGAGGCCATTGAGCACGGGGTGA
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Transaction Sequence

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MKTAENIRGT GSDGPRKRGL CVLCGLPAAG KSTFARALAH RLQREQGWAI GVVAYDDVMP DAFLAGARAR PAPSQWKLLR  
QELLKYLEYF LMAVINGCQM SVPPNRTEAM WEDFITCLKD QDLIFSAAFE AQSCYLLTKT AVSRPLFLVL DDNFYQSMR  
YEVYQLARKY SLGFCQLFLD CPLETCLQRN GORPQALPPE TIHLMRRKLE KPNPEKNWE HNSLTIPSPA CASEASLEVT  
DLLLLALENP VKYAEDNMEQ KTDRIICST NILHKTQTL RRIVSQTMEKE AKGNQEAFSE MTFKQRWVRA NHAAIWRIL  
GNEHIKCRSA KVGWLQCCRI EKRPLSTG
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