

CYCS cDNA

Catalog Number: ATGD0213

PRODUCT INFORMATION

Catalog number

ATGD0213

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061820.1

Alternative Names

CYC, HCS, THC4, Cytochrome c

mRNA Refseq

NM_018947.5

OMIM

123970

Chromosome location

7p15.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

318bp

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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CYCS encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.

DATA

Sequence nucleotides

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ATGGGTGATGTTGAGAAAGGCAAGAAGATTTTTATTATGAAGTGTTCCCAGTGCCACACCGTTGAAAAGGGAGGCAAGCAC
AAGACTGGGCCAAATCTCCATGGTCTCTTTGGGCGGAAGACAGGTCAGGCCCTGGATACTTTACACAGCCGCCAATAAG
AACAAAGGCATCATCTGGGGAGAGGATACACTGATGGAGTATTTGGAGAATCCAAGAAGTACATCCCTGGAACAAAAATG
ATCTTTGTCGGCATTAAAGAAGAAGGAAGAAAGGGCAGACTTAATAGCTTATCTCAAAAAAGCTACTAATGAGTAA
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Transaction Sequence

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MGDVEKGKKI FIMKCSQCHT VEKGGKHKTG PNLHGLFGRK TGQAPGYSYT AANKNKGIIW GEDTLMLEYL NPKKYIPGTK
MIFVGIKKKE ERADLIAYLK KATNE
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