

COX6B1 cDNA

Catalog Number: ATGD0460

PRODUCT INFORMATION

Catalog number

ATGD0460

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001854.1

Alternative Names

COX6B, COXG, COXVIb1

mRNA Refseq

NM_001863.4

OMIM

124089

Chromosome location

19q13.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

261bp

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

COX6B1 cDNA

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COX6B1 belongs to the cytochrome c oxidase subunit 6B family and connects the two COX monomers into the physiological dimeric form. Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D), also known as cytochrome c oxidase deficiency.

DATA

Sequence nucleotides

```
ATGGCGGAAGACATGGAGACCAAAATCAAGAACTACAAGACCGCCCCTTTTGACAGCCGCTTCCCCAACCAGAACCAGACT
AGAAACTGCTGGCAGAACTACCTGGACTTCCACCGCTGTCAGAAGGCAATGACCGCTAAAGGAGGCGATATCTCTGTGTGC
GAATGGTACCAGCGTGTGTACCAGTCCCTCTGCCCCACATCCTGGGTACAGACTGGGATGAGCAACGGGCTGAAGGCAC
GTTTCCCGGGAAGATCTGA
```

Transaction Sequence

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MAEDMETKIK NYKTAPFDSR FPNQNQTRNC WQNYLDFHRC QKAMTAKGGD ISVCEWYQRV YQSLCPTSWV
TDWDEQRAEG TFPGKI
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