

NDUFA8 cDNA

Catalog Number: ATGD0276

PRODUCT INFORMATION

Catalog number

ATGD0276

Product type

cDNA

Species

Human

NCBI Accession No.

NP_055037.1

Alternative Names

CI-19KD, CI-PGIV, PGIV

mRNA Refseq

NM_014222.2

OMIM

603359

Chromosome location

9q33.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

519bp

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 Nde 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

NDUFA8 cDNA

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NDUFA8 belongs to the complex I 19 kDA subunit family. Mammalian complex I is composed of 45 different subunits. This has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

DATA

Sequence nucleotides

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ATGCCGGGGATAGTGAGCTGCCCCACTCTAGAGGAGCTGAAAGTAGATGAGGTGAAAATTAGTTCTGCTGTGCTTAAAGCT
GCGGCCCATCACTATGGAGCTCAATGTGATAAGCCCAACAAGGAGTTTATGCTCTGCCGCTGGGAAGAGAAAGATCCGAGG
CGGTGTTTAGAGGAAGGCAAACCTGGTCAACAAGTGTGCTTTGGACTTCTTTAGGCAGATAAAACGTCCTGTGCAGAGCCTT
TTACAGAATATTGGACTTGCATTGATTATACTGGCCAGCAGTTATTTCTGTCCTGTGCGAAACAGCAGGCAAAGTTTGACGA
GTGTGTGCTGGACAACTGGGCTGGGTGCGGCCTGACCTGGGAGAACTGTCAAAGGTCACCAAAGTGAAAACAGATCGAC
CTTTACCGGAGAATCCCTATCACTCAAGACCAAGACCGGATCCCAGCCCTGAGATCGAGGGAGATCTGCAGCCTGCCACAC
ATGGCAGCCGCTTTTATTTCTGGACCAAGTAA
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Transaction Sequence

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MPGIVELPTL EELKVDEVKI SSAVLKAAAH HYGAQCDKPN KEFMLCRWEE KDPRRCLEEG KLVNKCALDF FRQIKRHCAE
PFTEYWTCID YTGQQLFRHC RKQQAKFDEC VLDKLGWVRP DLGELSKVTK VKTDRPLPEN PYHSRPRPDP SPEIEGDLQP
ATHGSRFYFW TK
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