

# NDUFA8 cDNA

Catalog Number: ATGD0276

## PRODUCT INFORMATION

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**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

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**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**

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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

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### Sequence nucleotides

```
ATGCCGGGGATAGTGGAGCTGCCACTCTAGAGGAGCTGAAAGTAGATGAGGTGAAAATTAGTTCTGCTGTGCTTAAAGCT
GCGGCCCATCACTATGGAGCTCAATGTGATAAGCCCAACAAGGAGTTTATGCTCTGCCGCTGGGAAGAGAAAGATCCGAGG
CGGTGTTTAGAGGAAGGCAAACACTGGTCAACAAGTGTGCTTTGGACTTCTTTAGGCAGATAAAACGTCCTGTGCAGAGCCTT
TTACAGAATATTGGACTTGCATTGATTATACTGGCCAGCAGTTATTTTCGTCCTGTGCGAAACAGCAGGCAAAGTTTGACGA
GTGTGTGCTGGACAAACTGGGCTGGGTGCGGCCTGACCTGGGAGAAGTGTCAAAGGTCACCAAAGTGAAAACAGATCGAC
CTTTACGGGAGAATCCCTATCACTCAAGACCAAGACCGGATCCCAGCCCTGAGATCGAGGGAGATCTGCAGCCTGCCACAC
ATGGCAGCCGCTTTTATTTCTGGACCAAGTAA
```

### Transaction Sequence

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