

NDUFA5 cDNA

Catalog Number: ATGD0277

PRODUCT INFORMATION

Catalog number

ATGD0277

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004991.1

Alternative Names

B13, CI-13kB, CI-13KD-B, NUFM, UQOR13

mRNA Refseq

NM_005000.4

OMIM

601677

Chromosome location

7q31.33

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

351bp

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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NDUFA5 encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. This localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16.

DATA

Sequence nucleotides

```
ATGGCGGGTGTGCTGAAGAAGACCACTGGCCTTGTGGGATTGGCTGTGTGCAATACTCCTCACGAGAGGCTAAGAATATTG
TACACAAAGATTCTTGATGTTCTTGAGGAAATCCCTAAAAATGCAGCATATAGAAAGTATACAGAACAGATTACAAATGAGAA
GCTGGCTATGGTTAAAGCGGAACCAAGATGTTAAAAAATTAGAAGACCAACTTCAAGGCGGTCAATTAGAAGAGGTGATTCTT
CAGGCTGAACATGAACTAAATCTGGCAAGAAAAATGAGGGAATGGAACTATGGGAGCCATTAGTGGAAGAGCCTCCTGCC
GATCAGTGGAAATGGCCAATATAA
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Transaction Sequence

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MAGVLKKTG LVGLAVCNTP HERLRILYTK ILDVLEEIPK NAAYRKYTEQ ITNEKLAMVK AEPDVKKLED QLQGGQLEEV
ILQAEHELNL ARKMREWKLW EPLVEPPAD QWKWPI
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