

NDUFA2 cDNA

Catalog Number: ATGD0284

PRODUCT INFORMATION

Catalog number

ATGD0284

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002479.

Alternative Names

B8, CD14, CIB8

mRNA Refseq

NM_002488.4

OMIM

602137

Chromosome location

5q31.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

300bp

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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NDUFA2 is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Alternative splicing results in multiple transcript variants.

DATA

Sequence nucleotides

```
ATGGCGGGCGGCCGAGCAAGTCGAGGAGTCGGGGCAAAGCTGGGCCTGCGTGAGATTTCGCATCCACTTATGTCAGCGCTC
GCCCCGGCAGCCAGGGCGTCAGGGACTTCATTGAGAAACGCTACGTGGAGCTGAAGAAGGCGAATCCCGACCTACCCATCC
TAATCCGCGAATGCTCCGATGTGCAGCCCAAGCTCTGGGCCCCGCTACGCATTTGGCCAAGAGACGAATGTCCCTTTGAACA
ACTTCAGTGCTGATCAGGTAACCAGAGCCCTGGAGAACGTTCTAAGTGGTAAAGCCTGA
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Transaction Sequence

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MAAAAASRGV GAKLGLREIR IHLCQRSPGS QGVRDFIEKR YVELKKANPD LPILIRECSD VQPKLWARYA FGQETNVPLN
NFSADQVTRA LENVLSGKA
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