

NDUFA7 cDNA

Catalog Number: ATGD0278

PRODUCT INFORMATION

Catalog number

ATGD0278

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004992.2

Alternative Names

B14.5a

mRNA Refseq

NM_005001.3

OMIM

602139

Chromosome location

19p13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

342bp

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

NDUFA7 cDNA

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NDUFA7 encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain.

DATA

Sequence nucleotides

```
ATGGCGTCCGCCACCCGTCTCATCCAGCGGCTGCGGAACTGGGCGTCCGGGCATGACCTGCAGGGGAAGCTGCAGCTACG
CTACCAGGAGATCTCCAAGCGAACTCAGCCTCCTCCAAGCTCCCTGTGGGTCCTAGCCACAAGCTCTCCAACAATTACTAT
TGCACTCGCGATGGCCCGCGGAATCTGTGCCCCCTTCCATCATCATGTGTCGTCGAGAAGGCGCTGGTGTGTCAGGCAAGCCA
GCAGAGAGCTCTGCTGTAGCTGCCACTGAGAAGAAGGCGGTGACTCCAGCTCCTCCCATAAAGAGGTGGGAGCTGTCCTC
GGACCAGCCTTACCTGTGA
```

Transaction Sequence

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MASATRLIQR LRNWASGHDL QGKLQLRYQE ISKRTQPPPK LPVGPSHKLS NNYCTRDRGR RESVPPSIIM SSQKALVSGK
PAESSAVAAT EKKAVTPAPP IKRWELSSDQ PYL
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