

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A (At2g02510), Recombinant Protein

Cat *RP00388*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A (At2g02510)

Product Synonym Names

Recombinant NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A (At2g02510); NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A

Product Gene Name

AT2G02510 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MAKPLGTTGE FFRRRDEWRK HPMLSNQMRH ALPGIGIGVG AFCVYLVGEQ IYSKLMAPSS QSSHQKQPAP
SH

Sequence Positions

1-72

Chromosome Location

Chromosome: 2; NC_003071.7 (673305..674740). Location: chromosome: 2

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E. coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

8,051 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

NADH dehydrogenase

NCBI Accession

NP_178355.1

NCBI GI

15226987

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A (At2g02510), Recombinant Protein

Cat *RP00388*

NCBI GenBank Nucleotide

NM_126306.4

NCBI GeneID

814780

NCBI Official Full Name

NADH dehydrogenase (ubiquinone)

NCBI Official Symbol

AT2G02510

NCBI Official Synonym Symbols

T8K22.19; T8K22_19

NCBI Protein Information

NADH dehydrogenase (ubiquinone)

UniProt Protein Name

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-A

UniProt Entry Name

NDB3A_ARATH

UniProt Primary Accession

O64725

UniProt Related Accession

O64725

UniProt Comments

Function: Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone By similarity. Subunit structure: Complex I is composed of at least 49 different subunits. Subcellular location: Mitochondrion inner membrane; Single-pass membrane protein; Matrix side By similarity. Sequence similarities: Belongs to the complex I NDUFB3 subunit family.

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