

# NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial (LOC102594243), Recombinant Protein

Cat *RP15296*

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## Species

Solanum tuberosum (Potato)

## Full Product Name

Recombinant Solanum tuberosum NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial, partial

## Product Gene Name

LOC102594243 recombinant protein

## Purity

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

## Format

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

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

79,970 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

NADH dehydrogenase [ubiquinone] iron-sulfur protein

## NCBI Accession #

NP\_001275317.1

## NCBI GI #

568215262

## NCBI GenBank Nucleotide #

NM\_001288388.1

## NCBI GeneID

102594243

## NCBI Official Full Name

NADH dehydrogenase

## NCBI Official Symbol

LOC102594243

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial (LOC102594243), Recombinant Protein

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## NCBI Official Synonym Symbols

CI-76kD

## NCBI Protein Information

NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial

## UniProt Gene Name

CI-76kD

## UniProt Synonym Gene Names

CI-76kD

## UniProt Protein Name

NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial

## UniProt Synonym Protein Names

76 kDa mitochondrial complex I subunit; Complex I-76kD; CI-76kD; NADH-ubiquinone oxidoreductase 76 kDa subunit

## UniProt Primary Accession #

Q43644

## UniProt Related Accession #

Q43644

## UniProt Comments

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 . This is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized .

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