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Product Information

MemDX™ Membrane Protein Human NDUFA10 (NADH:ubiqui oxidoreductase subunit A10) for Antibody Discovery

Cat. No.: **MP0759X**
This product is for research use only and is not intended for diagnostic use.

This product is a 64.79 kDa Human NDUFA10 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
NDUFA10

Protein Length
Full-length

Molecular Weight
64.79 kDa

Sequence
MALRLLKLAATSASARVVAAGAQRVRGIHSSVQCKLRYGMWHFLLGDKASKRLTERSRVITVDGNICTGKGKLAKEIAEKLGFKHFP

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification
Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

NDUFA10

Full Name

NADH:ubiqui oxidoreductase subunit A10

Introduction

The protein encoded by this gene is a component of 42 kDa complex I, the first enzyme complex in the electron transport chain of mitochondria. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. A mutation in this gene was found in an individual with Leigh syndrome.

Alternative Names

CI-42k; CI-42KD; MC1DN22; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial; NADH-ubiquinone oxidoreductase 42 kDa subunit; complex I 42kDa subunit; NADH-ubiquinone oxidoreductase 42 kDa subunit

Gene ID

4705

UniProt ID

O95299

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