

Product Information

MemDX™ Membrane Protein Human NDUFA4 (NDUFA4 mitochondrial complex associated) expressed by *in vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP0764X**

This product is for research use only and is not intended for diagnostic use.

This product is a 35.8 kDa Human NDUFA4 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

NDUFA4

Protein Length

Full-length

Molecular Weight

35.8 kDa

Sequence

MLRQIIIGQAKKHPSLIPLFVFIGTGATGATLYLLRLALFNPDVCWDRNNPEPWNLGPNDQYKFYSVNVVDYSKLKKERPDF

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

NDUFA4

Full Name

NDUFA4 mitochondrial complex associated

Introduction

The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquin.

Alternative Names

MLRQ; CI-9k; COXFA4; CI-MLRQ; MC4DN21; cytochrome c oxidase subunit NDUFA4; Complex I 9kDa subunit; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4; NADH-ubiquinone oxidoreductase MLRQ subunit; complex I-MLRQ; cytochrome c oxidase subunit FA4; NADH-ubiquinone oxidoreductase MLRQ subunit

Gene ID

[4697](#)

UniProt ID

[O00483](#)