

# 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

MLRQIIIGQAQKHPSLIPLFVFIGTGATGATLYLLRLALFNPDVCWDRNNPEPWNLGPNDQYKFYSVNVVDYSKLKKERPDF

### 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](#)