

Product Information

MemDX™ Membrane Protein Human NDUFV3 (NADH:ubiquinone oxidoreductase subunit V3) for Antibody Discovery

Cat. No.: **MP0788X**

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

This product is a 38.3 kDa Human NDUFV3 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

NDUFV3

Protein Length

Full-length

Molecular Weight

38.3 kDa

Sequence

MAAPCLLRQGRAGALKTMLQEAQVFRGLASTVSLAESGKSEKGQPQNSKKQSPPKKPAPVPAEPFDNTTYKNLQHHDYSTYTF

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

NDUFV3

Full Name

NADH:ubiquinol oxidoreductase subunit V3

Introduction

The protein encoded by this gene is one of at least forty-one subunits that make up the NADH-ubiquinol oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rate-sensitive oxidation of NADH and the reduction of ubiquinol. The encoded protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CI-10k; CI-9kD; NADH dehydrogenase [ubiquinol] flavoprotein 3, mitochondrial; NADH dehydrogenase (ubiquinol) flavoprotein 3, 10kDa; NADH-ubiquinol oxidoreductase 9 kD subunit; NADH-ubiquinol oxidoreductase 9 kDa subunit; NADH-ubiquinol oxidoreductase flavoprotein 3, 10kD; complex I 10kDa subunit; complex I, mitochondrial respiratory chain, 10-kD subunit; complex I-9kD; mitochondrial NADH oxidoreductase-like protein; renal carcinoma antigen NY-REN-4; Complex I-9kD; Renal carcinoma antigen NY-REN-4

Gene ID

[4731](#)

UniProt ID

[P56181](#)