SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human NDUFB6 (NADH:ubiquinone oxidoreductase subunit B6)

Cat. No.: **MP0280J**
This product is for research use only and is not intended for diagnostic use.

This product is a 15.3 kDa Human NDUFB6 membrane protein expressed in HEK293T. 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
NDUFB6

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
15.3 kDa

TMD
1

Sequence
MTGYTPDEKLRLQQLRELRRRWLKDQELSPREPVLPPQKMGPMEKFWNKFLENKSPWRKMVHGVYKKSIF
VFTHVLVPVWIIHYYMKYHVSEKPYGIVEKKSRIFPGDTILETGEVIPPMKEFPDQHH

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target

Target Protein

NDUFB6

Full Name

NADH:ubiquinone oxidoreductase subunit B6

Introduction

The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. 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 ubiquinone. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified.

Alternative Names

CI; B17; CI-B17; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa; NADH-ubiquinone oxidoreductase B17 subunit; complex I-B17

Gene ID

4712

UniProt ID

O95139

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