

Product Information

MemDX™ Membrane Protein Human NDUF5 (NADH:ubiquinone oxidoreductase subunit

B5) Full Length

Cat. No.: **MPC4557K**

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

This product is a made-to-order Human NDUF5 membrane protein expressed in HEK293. 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

NDUF5

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MAAMSLRRVSVTAVAALSGRPLGTRLGGFLTRGFPKAAAPVRHSGDH
GKRLFVIRPSRFYDRFLKLLRFYIALTGIPVAIFITLVNVFIGQAELAE
IPEGYVPEHWEYKHPISRWIARNFYDSPEKIYERTMAVLQIEAEKALR
VKELEVRKLMHVVRGDPWYYYETIDKELIDHSPKATPDN

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

NDUFB5

Full Name

NADH:ubiquinone oxidoreductase subunit B5

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. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NDUFB5; SGD5; CISGD5; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa; NADH-ubiquinone oxidoreductase SGD5 subunit; complex I SGD5 subunit; complex I-SGD5; NADH:ubiquinone oxidoreductase subunit B5

Gene ID

[4711](#)

UniProt ID

[Q43674](#)