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Product Information

MemDX™ Membrane Protein Human COX6C (Cytochrome c oxidase subunit 6C) Full Length

Cat. No.: **MPC1414K**
This product is for research use only and is not intended for diagnostic use.

This product is a 8.7 kDa Human COX6C 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
COX6C

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
8.7 kDa

TMD
1

Sequence
MAPEVLPKPRMRGLLARRLRNHMAVAFVLSLGVAALYKFRVADQRKKAYA
DFYRNYDVMKDFEEMRKAGIFQSVK

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

Form
Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

COX6C

Full Name

Cytochrome c oxidase subunit 6C

Introduction

Cytochrome c oxidase, the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIc, which has 77% amino acid sequence identity with mouse subunit VIc. This gene is up-regulated in prostate cancer cells. A pseudogene has been found on chromosomes 16p12.

Alternative Names

COX6C; Cytochrome c oxidase polypeptide VIc; cytochrome c oxidase subunit VIc preprotein; epididymis secretory sperm binding protein; Cytochrome c oxidase subunit 6C

Gene ID

1345

UniProt ID

P09669

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