

# Product Information

## MemDX™ Membrane Protein Human COX7C (Cytochrome c oxidase subunit 7C) Full Length

Cat. No.: **MPC2157K**

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

This product is a 7.2 kDa Human COX7C 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

COX7C

#### Protein Length

Full length

#### Protein Class

Oxidoreductase

#### Molecular Weight

7.2 kDa

#### TMD

1

#### Sequence

MLGQSIRRFITTSVRRSHYEEGPGKNLPFSVENKWSLLAKMCLYFGSAFA  
TPFLVVRHQLLKT

### 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 -72°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

COX7C

### Full Name

Cytochrome c oxidase subunit 7C

### Introduction

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes subunit VIIc, which shares 87% and 85% amino acid sequence identity with mouse and bovine COX VIIc, respectively, and is found in all tissues. A pseudogene COX7CP1 has been found on chromosome 13.

### Alternative Names

COX7C; cytochrome c oxidase subunit 7C, mitochondrial; cytochrome c oxidase polypeptide VIIc; cytochrome c oxidase subunit VIIc; cytochrome-c oxidase chain VIIc; Cytochrome c oxidase subunit 7C

### Gene ID

[1350](#)

### UniProt ID

[P15954](#)