

## Product Information

### MemDX™ Membrane Protein Human CYC1 (Cytochrome c1) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1463K**

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

This product is a Human CYC1 membrane protein expressed *in vitro* *E.coli* 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

CYC1

##### Protein Length

Full Length of Mature Protein

##### Protein Class

Transport

##### TMD

1

##### Sequence

SDLELHPPSYPWSHRGLLSSLDHTSIRRGFQVYKQVCASCHSMDFVAYRHLVGVCYTEDEAKELAAEVEVQDGPNEDGEMFMRP

#### Product Description

##### Expression Systems

*in vitro* *E.coli* expression system

##### Tag

10xHis and SUMO tag

##### Protein Format

Soluble

##### Form

Liquid or Lyophilized powder

##### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### **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**

CYC1

### **Full Name**

Cytochrome c1

### **Introduction**

This gene encodes a subunit of the cytochrome bc1 complex, which plays an important role in the mitochondrial respiratory chain by transferring electrons from the Rieske iron-sulfur protein to cytochrome c. Mutations in this gene may cause mitochondrial complex III deficiency, nuclear type 6.

### **Alternative Names**

CYC1; UQCR4; MC3DN6; cytochrome c1, heme protein, mitochondrial; complex III subunit 4; complex III subunit IV; cytochrome b-c1 complex subunit 4; cytochrome c-1; ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; Cytochrome c1

### **Gene ID**

[1537](#)

### **UniProt ID**

[P08574](#)