

## Product Information

### MemDX™ Membrane Protein Human MCU (Mitochondrial calcium uniporter) for Antibody Discovery

Cat. No.: **MP0691X**

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

This product is a 66.3 kDa Human MCU membrane protein expressed in *in vitro* wheat germ 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

MCU

##### Protein Length

Full-length

##### Molecular Weight

66.3 kDa

##### TMD

6

##### Sequence

MAAAAGRSLLLLSSRGGGGGAGGCGALTAGCFPGLGVSRHRQQQHHRTVHQRIASWQNLGAVYCSTVVPSSDDVTVVYQNGL

#### Product Description

##### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

##### Expression Systems

*in vitro* wheat germ expression system

##### Tag

GST-tag at N-terminal

##### Form

Liquid

##### Purification

## Glutathione Sepharose 4 Fast Flow

### Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

### Storage

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

## Target

### Target Protein

MCU

### Full Name

Mitochondrial calcium uniporter

### Introduction

This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants

### Alternative Names

HsMCU; C10orf42; CCDC109A

### Gene ID

[90550](#)

### UniProt ID

[Q8NE86](#)