

# 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

MAAAAGRSLLLLLSSRGGGGGGAGGCGALTAGCFPLGVSRHRQQQHRTVHQRIASWQNLGAVYCSTVVPSSDDVTVVYQNL

### 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](#)