

Product Information

MemDX™ Membrane Protein Human MCU (Mitochondrial calcium uniporter) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX1690K**

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

This product is a Human MCU 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

MCU

Protein Length

Full Length of Mature Protein

Protein Class

Ion channel, Transport

TMD

2

Sequence

VHQRIASWQNLGAVYCSTVVPSSDDVTVVYQNGLPVISVRLPSRRERCQFTLKPISDSVGVFRLRLQEEDRGIDRVAIYSPDGVRVA

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

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

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

MCU; HsMCU; C10orf42; CCDC109A; calcium uniporter protein, mitochondrial; coiled-coil domain-containing protein 109A; Mitochondrial calcium uniporter

Gene ID

[90550](#)

UniProt ID

[Q8NE86](#)