

Product Information

MemDX™ Membrane Protein Human MCU (Mitochondrial calcium uniporter) Full Length

Cat. No.: **MPC1889K**

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

This product is a 39.8 kDa Human MCU 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

MCU

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

39.8 kDa

TMD

2

Sequence

MAAAAGRSLLLLSSRGGGGGGAGGCGALTAGCFPGLGVSRRHQQQHHRT
VHQRIASWQNLGAVYCSTVVPSSDDVTVVYQNGLPVISVRLPSRRERCQFT
LKPISDSVGVFLRQLQEEDRGIDRVAIYSPDGVRVAASTGIDLLLLDDFK
LVINDLTYHVRPPKRDLLSHENAATLNDVKTLVQQLYTTLCIEQHQLNKE
RELIERLEDLKEQLAPLEKVRIEISRKAERKRTTLVLWGGLAYMATQFGIL
ARLTWWEYSWDIMEPVITYFITYGSAMAMYAYFVMTRQEYVYPEARDRQYL
LFFHKGAKKSRFDLEKYNQLKDAIAQAEMDLKRLRDPLQVHLPLRQIGEK
D

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**

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](#)