

Product Information

MemDX™ Membrane Protein Human MCU (Mitochondrial calcium uniporter)

Cat. No.: **MP0227J**

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

This product is a 39.7 kDa Human MCU membrane protein expressed in HEK293T. 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

Transmembrane

Molecular Weight

39.7 kDa

TMD

2

Sequence

MAAAAGRSLLLLSSRGGGGGGAGGCGALTAGCFPGLGVSRHRQQQHHRTVHQRIASWQNLGAVYCSTVV
PSDDVTVVYQNGLPVISVRLPSRRERCQFTLKPISDSVGVFLRQLQEEDRGIDRVAIYSPDGVRVAASTG
IDLLLLDDFKLVINDLTYHVRPPKRDLLSHENAATLNDVKTLLVQQLYTTLCIEQHQLNKERELIERLEDL
KEQLAPLEKVRIEISRKAERKRTTLVLWGGLAYMATQFGILARLTWWEYSWDIMEPVITYFITYGSAMAMYA
YFVMTRQEYVYPEARDRQYLLFFHKGAKKSRFDLEKYNQLKDAIAQAEMDLKRLRDPLQVHLPLRQIGEK
D

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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](#)