

Product Information

MemDX™ Membrane Protein Human MPC1 (Mitochondrial pyruvate carrier 1) Full Length

Cat. No.: **MPC2206K**

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

This product is a 12.3 kDa Human MPC1 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

MPC1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

12.3 kDa

TMD

2

Sequence

MAGALVRKAADYVRSKDFRDYLMSTHFWGPPVANWGLPIAAINDMKKSPEI
ISGRMTFALCCYSLTFMRFAYKVQPRNWLLFACHATNEVAQLIQGGRLIK
HEMTKTASA

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

MPC1

Full Name

Mitochondrial pyruvate carrier 1

Introduction

The protein encoded by this gene is part of an MPC1/MPC2 heterodimer that is responsible for transporting pyruvate into mitochondria. The encoded protein is found in the inner mitochondrial membrane. Defects in this gene are a cause of mitochondrial pyruvate carrier deficiency. Several transcript variants, some protein coding and one non-protein coding, have been found for this gene.

Alternative Names

MPC1; MPYCD; BRP44L; CGI-129; SLC54A1; HSPC040 protein; brain protein 44-like protein; Mitochondrial pyruvate carrier 1

Gene ID

[51660](#)

UniProt ID

[Q9Y5U8](#)