

Product Information

MemDX™ Membrane Protein Human SLC25A20 (Solute carrier family 25 member 20) Full Length

Cat. No.: **MPC2452K**

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

This product is a made-to-order Human SLC25A20 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

SLC25A20

Protein Length

Full length

Protein Class

Transporter

TMD

6

Sequence

MADQPKPISPLKNLLAGGFGGVCLVFVGHPLDTVKVRLQTQPPSLPGQPP
MYSGTFDCFRKTLFREGITGLYRGMAAPIIGVTPMFAVCFFGFGGLGKKLQ
QKHPEDVLSYPQLFAAGMLSGVFTTGIMTPGERIKLLQIQASSGESKYT
GTLDCAKKLYQEFGIRGIYKGTVLTLMRDVPASGMYFMTYEWLNIFTPE
GKRVSELSAPRILVAGGIAGIFNWAVAIPPDVLKSRFQTAPPGKYPNGFR
DVLRELIRDEGVTSLYKGFNAVMIRAFPAANAACFLGFEVAMKFLNWATPN
L

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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**

SLC25A20

Full Name

Solute carrier family 25 member 20

Introduction

This gene product is one of several closely related mitochondrial-membrane carrier proteins that shuttle substrates between cytosol and the intramitochondrial matrix space. This protein mediates the transport of acylcarnitines into mitochondrial matrix for their oxidation by the mitochondrial fatty acid-oxidation pathway. Mutations in this gene are associated with carnitine-acylcarnitine translocase deficiency, which can cause a variety of pathological conditions such as hypoglycemia, cardiac arrest, hepatomegaly, hepatic dysfunction and muscle weakness, and is usually lethal in new born and infants.

Alternative Names

SLC25A20; CAC; CACT; mitochondrial carnitine/acylcarnitine carrier protein; solute carrier family 25 (carnitine/acylcarnitine translocase), member 20; Solute carrier family 25 member 20

Gene ID

[788](#)

UniProt ID

[O43772](#)