

Product Information

MemDX™ Membrane Protein Human CPT1C (Carnitine palmitoyltransferase 1C) for Antibody Discovery

Cat. No.: **MP1070J**

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

This product is a 90.8 kDa Human CPT1C 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

CPT1C

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

90.8 kDa

TMD

2

Sequence

MAEAHQAVGFRPSLTSDGAEVELSAPVLQEIYLSGLRSWKRHLRSFWNDFLTGVFPASPLSWLFLFSAIQ
LAWFLQLDPSLGLMEKIKELLPDWGGQHHGLRGVLAALFASCLWGALIFTLHVALRLLLSYHGWLLEPH
GAMSSPTKTWLALVRIFSGRHPMLFSYQSRSLPRQPVPSVQDTRVKYLESVRPILSDEDFDWTAVLAQEFL
RLQASLLQWYLRKSWWASNYVSDWWEEFVYLRSRNPLMVNSNYMMDFLYVTPTPLQAARAGNAVHALL
LYRHLNRQEIPPTLLMGMRLPLCSAQYEKIFNTTRIPGVQKDYIRHLHDSQHVAVFHRGRFFRMGTHSRN
SLLSPRALEQQFQRILDDPSPACPHEEHLAALTAAPRGTTWAQVRTSLKTQAAEAELEAVEGAFFVSLDAE
PAGLTREDPAASLDAYAHALLAGRGHGRWFDKSTFLIVFSNGKLGLSVEHSWADCPISGHMWEFTLATEC
FQLGYSTDGHCKGHPDPTLPQPQLQWDLDPQIHSSISLALRGAKILSENVDCHVVPFSLFGKSFIRRH
LSSDSFIQIALQLAHRDRGQFCLTYESAMTRLFLEGRTEVRSCTREACNFVRAMEDKEKTDPPQCLALF
RVAVDKHQALLKAAMSGQGVDRLHFALYIVSRFLHLQSPFLTQVHSEQWQLSTSQIPVQQMHLFDVHNYP
DYVSSGGGFGPADDHGYGVSYIFMGDMITFHSSKKSSTKTDSHRLGQHIEDALLDVASLFQAGQHFKR
RFRGSGKENSRRHRCGFLSRQTGASKASMTSTDF

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**

CPT1C

Full Name

Carnitine palmitoyltransferase 1C

Introduction

This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein regulates the beta-oxidation and transport of long-chain fatty acids into mitochondria, and may play a role in the regulation of feeding behavior and whole-body energy homeostasis. Alternatively spliced transcript variants encoding multiple protein isoforms have been observed for this gene.

Alternative Names

CATL1; CPT1P; CPTIC; SPG73; CPT1-B; CPTI-B

Gene ID

[126129](#)

UniProt ID

[Q8TCG5](#)