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Product Information

MemDX™ Membrane Protein Human MTCH2 (Mitochondrial carrier 2) Full Length

Cat. No.: **MPC4189K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MTCH2 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
MTCH2

Protein Length
Full length

Protein Class
Transporter

TMD
3

Sequence
MADAASQVLLGSGLTILSQPLMYVKVLIQVGYEPLPPTIGRNIFGRQVCQ
LPGLFSYAQHIASIDGRRGLFTGLTPRLCSGVLGTVVHGKVLQHYQESDK
GEELGPGNVQKEVSSSFDHVIKETTREMIARSAATLITHPFHVITLRSMV
QFIGRESKYCGLCDSIITIYREEGILGFFAGLVPRLLGDILSLWLCNSLA
YLVNTYALDSGVSTMNEMKSYSQAVTGFFASMLTYPFVLVSNLMAVNNCG
LAGGCPPYSPIYTSWIDCWCMLQKEGNMSRGNSLFFRKVPFGKTYCCDLK
MLI

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

MTCH2

Full Name

Mitochondrial carrier 2

Introduction

This gene encodes a member of the SLC25 family of nuclear-encoded transporters that are localized in the inner mitochondrial membrane. Members of this superfamily are involved in many metabolic pathways and cell functions. Genome-wide association studies in human have identified single-nucleotide polymorphisms in several loci associated with obesity. This gene is one such locus, which is highly expressed in white adipose tissue and adipocytes, and thought to play a regulatory role in adipocyte differentiation and biology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target that can produce two isoforms from the same mRNA by use of alternative in-frame translation termination codons.

Alternative Names

MTCH2; MIMP; HSPC032; SLC25A50; 2310034D24Rik; met-induced mitochondrial protein; solute carrier family 25, member 50; mitochondrial carrier homolog 2; Mitochondrial carrier 2

Gene ID

23788

UniProt ID

Q9Y6C9

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