

Product Information

MemDX™ Membrane Protein Human TIMM50 (Translocase of inner mitochondrial membrane

50) Full Length

Cat. No.: **MPC3497K**

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

This product is a made-to-order Human TIMM50 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

TIMM50

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MAASAAVFSRLRSLRGLGSRGLCTRLATPPRRAPDQAAEIGSRGSTKAQG
PQQQPGSEGPSYAKKVALWLAGLLGAGGTVSVVYIFGNNPVDENGAKIPD
EFDNDPILVQQLRRTYKYFKDYRQMIIPTSPCLLPDPLQEPPYQPPYTL
VLELTGVLLHPEWSLATGWRFKKRPGETLFQQLAPLYEIVIFTSETGMT
AFPLIDSVDPHGFISYRLFRDATRYMDGHHVKDISCLNRDPARVVVVDCK
KEAFRLQPYNGVALRPWDGNSDDRVLLDLSAFLKTIALNGVEDVRTVLEH
YALEDDPLAAFKQRQSRLEQEEQRLAELSKSNKQNLFLGSLTSRLWPRS
KQP

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**

TIMM50

Full Name

Translocase of inner mitochondrial membrane 50

Introduction

This gene encodes a subunit of the TIM23 inner mitochondrial membrane translocase complex. The encoded protein functions as the receptor subunit that recognizes the mitochondrial targeting signal, or presequence, on protein cargo that is destined for the mitochondrial inner membrane and matrix. This protein may also play a role in maintaining the membrane permeability barrier, and knockdown of this gene in human cells results in the release of cytochrome c and apoptosis.

Alternative Names

TIMM50; MGCA9; TIM50; TIM50L; mitochondrial import inner membrane translocase subunit TIM50; Tim50-like protein; homolog of yeast Tim50; Translocase of inner mitochondrial membrane 50

Gene ID

[92609](#)

UniProt ID

[Q3ZCQ8](#)