

Product Information

MemDX™ Membrane Protein Human TMX2 (Thioredoxin related transmembrane protein 2)

Cat. No.: **MP0115J**

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

This product is a 33.9 kDa Human TMX2 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

TMX2

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

33.9 kDa

TMD

1

Sequence

MAVLAPLIALVYSVPRLSRWLAQPYYLLSALLSAAFLLVRLPPLCHGLPTQREDGNPCDFDWREVEILM
FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPPLYMGPEYIKY
FNDKTIDEELERDKRVTWIVEFFANWSNDCQSFAPYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKVST
SPLTKQLPTLILFQGGKEAMRRPQIDKKGRAVSWTFSEENVIREFNLNELYQRAKKLSKAGDNIPEEQPV
ASTPTTVSDGENKKDK

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**

TMX2

Full Name

Thioredoxin related transmembrane protein 2

Introduction

This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and a C-terminal ER-retention sequence. This protein is enriched on the mitochondria-associated-membrane of the ER via palmitoylation of two of its cytosolically exposed cysteines.

Alternative Names

PIG26; CGI-31; PDIA12; NEDMCMS; TXNDC14; cell proliferation-inducing gene 26 protein; thioredoxin domain-containing protein 14; growth-inhibiting gene 11

Gene ID

[51075](#)

UniProt ID

[Q9Y320](#)