

Product Information

MemDX™ Membrane Protein Human TMX1 (Thioredoxin related transmembrane protein 1)

Cat. No.: **MP0074J**

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

This product is a 31.6 kDa Human TMX1 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

TMX1

Protein Length

Full-length

Protein Class

Druggable Genome, Transcription Factors, Transmembrane

Molecular Weight

31.6 kDa

TMD

1

Sequence

MAPSGSLAVPLAVMVPLLWGAPWTHGRRSNVRVITDENWRELLEGDWMIEFYAPWCPACQNLQPEWESFA
EWGEDLEVNIKVDVTEQPGLSGRFIINALPTIYHCKDGEFRRYQGPRTKKDFINFISDKEWKSIEPVSS
WFGPGSVLMSSMSALFQLSMWIRTCHNYFIEDLGLPVWGSYTVFALATLFSGLLLGLCMIFVADCLCPK
RRRPQYPYPSKLLSESAQPLKKVEEEQEAEDEEDVSEEEAESKEGTNKDFPQNAIRQRSLGPSLATDKS

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**

TMX1

Full Name

Thioredoxin related transmembrane protein 1

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, and one transmembrane domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The mature membrane-bound protein can both oxidize and reduce disulfide bonds and acts selectively on membrane-associated polypeptides.

Alternative Names

TMX; TXNDC; PDIA11; TXNDC1; thioredoxin-related transmembrane protein 1; protein disulfide isomerase family A, member 11; thioredoxin domain containing 1; thioredoxin domain-containing protein 1

Gene ID

[81542](#)

UniProt ID

[Q9H3N1](#)