

Product Information

MemDX™ Membrane Protein Human TMX3 (Thioredoxin related transmembrane protein 3)
Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery,
Partial (25-195aa)

Cat. No.: **MPX4546K**

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

This product is a 35.6kDa Human TMX3 membrane protein expressed in *E.coli*. 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

TMX3

Protein Length

Partial (25-195aa)

Protein Class

Transporter

Molecular Weight

35.6kDa

TMD

1

Sequence

KGFVEDLDESFKENRNDDIWLVDYFAPWCGHCKKLEPIWNEVGLEMKSIGSPVKVGKMDATSYSSIASSEFGVIRGYPTIKLLKGDLA

Product Description

Expression Systems

E.coli

Tag

6xHis and SUMO tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

TMX3

Full Name

Thioredoxin related transmembrane protein 3

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 canonical protein encoded by this gene has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and a C-terminal ER-retention sequence. This gene is expressed in many tissues but has its highest expression in heart and skeletal muscle. It is expressed in the retinal neuroepithelium and lens epithelium in the developing murine eye and haploinsufficiency of this gene in humans and zebrafish is associated with microphthalmia. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

TMX3; PDIA13; TXNDC10; protein disulfide-isomerase TMX3; protein disulfide isomerase family A, member 13; thioredoxin domain containing 10; thioredoxin domain-containing protein 10; Thioredoxin related transmembrane protein 3

Gene ID

[54495](#)

UniProt ID

[Q96JJ7](#)