

Product Information

MemDX™ Membrane Protein Human TMX4 (Thioredoxin related transmembrane protein 4)

Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX1649K**

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

This product is a Human TMX4 membrane protein expressed *in vitro* E.coli expression system. 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

TMX4

Protein Length

Full Length of Mature Protein

Protein Class

Transport

TMD

1

Sequence

TAGPEEAALPPEQSRVQPMTASNWTLVMEGEWMLKFYAPWCPSCQQTDSEWEAFKNGEILQISVGKVDVIQEPGLSGRFFVTTL

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

TMX4

Full Name

Thioredoxin related transmembrane protein 4

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 C-terminal ASP/GLU-rich calcium binding domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The encoded protein has been shown to have reductase activity in vitro.

Alternative Names

TMX4; PDIA14; TXNDC13; DJ971N18.2; protein disulfide isomerase family A, member 14; thioredoxin domain containing 13; thioredoxin domain-containing protein 13; Thioredoxin related transmembrane protein 4

Gene ID

[56255](#)

UniProt ID

[Q9H1E5](#)