

# Product Information

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

### Full Length

Cat. No.: **MPC1274K**

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

This product is a 38.9 kDa Human TMX4 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

TMX4

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

38.9 kDa

#### TMD

1

#### Sequence

MAGGRCGPQLTALLAAWIAVAATAGPEEAALPPEQSRVQPMTASNWTLV  
MEGEWMLKFYAPWCPSCQQTDSEWEAFKNGEILQISVGKVDVIQEPGLS  
GRFFVTTLPAFFHAKDGIFFRRYRGPGIFEDLQNYILEKKWQSVEPLTGWK  
SPASLTMSGMAGLFSISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFG  
LFMGLVLVVISECFYVPLPRHLSESEQNRRSEEAHRAEQLQDAEEEKDD  
SNEEENKDSLVDDEEEKEDLGDEDEAEEDNLAAGVDEERSEANDQG  
PPGEDGVTRREEPEEAEEGISEQPCPADTEVVEDSLRQRKSQHADKGL

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**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; thioredoxin-related transmembrane protein 4; 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](#)