

Product Information

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

Cat. No.: **MP0072J**

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

This product is a 38.8 kDa Human TMX4 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

TMX4

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

38.8 kDa

TMD

1

Sequence

MAGGRCGPQLTALLAAWIAVAATAGPEEAALPPEQSRVQPMTASNWTLVMEGEWMLKFYAPWCPSCQQT
DSEWEAFKNGEILQISVGKVDVIQEPGLSGRFFVTTLPAFFHAKDGIFRRYRGPGIFEDLQNYILEKKW
QSVEPLTGWKSPASLTMSGMAGLFSISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLFMGLVLVVI
SECFYVPLPRHLSEKRSQNRSEEAHRAEQLQDAEEEEKDDSNKEENKDSLVDDEEEKEDLGDEDEAEDEE
EEDNLAAGVDEERSEANDQGPPGEDGVTRREEVEPEEAEEGISEQPCPADTEVVEDSLRQRKSQHADKGL

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**

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

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

Gene ID

[56255](#)

UniProt ID

[Q9H1E5](#)