

## Product datasheet for TP300032L

## OriGene Technologies, Inc.

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### TMX2 (NM\_015959) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human thioredoxin-related transmembrane protein 2 (TMX2),

transcript variant 1, 1 mg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC200032 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAVLAPLIALVYSVPRLSRWLAQPYYLLSALLSAAFLLVRKLPPLCHGLPTQREDGNPCDFDWREVEILM FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPPLYMGPEYIKY FNDKTIDEELERDKRVTWIVEFFANWSNDCQSFAPIYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKVST SPLTKQLPTLILFQGGKEAMRRPQIDKKGRAVSWTFSEENVIREFNLNELYQRAKKLSKAGDNIPEEQPV

**ASTPTTVSDGENKKDK** 

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 057043

**Locus ID:** 51075



#### TMX2 (NM\_015959) Human Recombinant Protein - TP300032L

UniProt ID: Q9Y320

RefSeq Size: 1741

Cytogenetics: 11q12.1

888 RefSeq ORF:

Synonyms: CGI-31; NEDMCMS; PDIA12; PIG26; TXNDC14

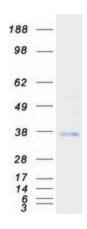
**Summary:** This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum

> (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 a C-terminal ER-retention sequence. This protein is enriched on the mitochondria-associated-membrane of the ER via palmitoylation of two of its

cytosolically exposed cysteines. [provided by RefSeq, Jan 2017]

**Protein Families:** Druggable Genome, Transmembrane

# **Product images:**



Coomassie blue staining of purified TMX2 protein (Cat# [TP300032]). The protein was produced from HEK293T cells transfected with TMX2 cDNA clone (Cat# [RC200032]) using MegaTran 2.0

(Cat# [TT210002]).