

Product datasheet for **TP300032M**

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, 100 µg

Species: Human

Expression Host: HEK293T

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

MAVLAPLIALVYSVPRLSRWLAQPYLLSALLSAAFLLVRKLPPLCHGLPTQREDGNPCDFDWREVEILM
FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPPLYMGPEYIKY
FNDKTI DEELERDKRVTWIVEFFANWSNDCQSFAPYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKVST
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



[View online »](#)

UniProt ID: [Q9Y320](#)

RefSeq Size: 1741

Cytogenetics: 11q12.1

RefSeq ORF: 888

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]).