

Product datasheet for **TP300032**

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, 20 µg

Species: Human

Expression Host: HEK293T

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

MAVLAPLIALVYSVPRLSRWLAQPYYLLSALLSAAFLLRKLPPLCHGLPTQREDGNPCDFDWREVEILM
FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPLYMGPEYIKY
FNDKTI DEELERDKRVTWIVEFFANWSNDCQSFAPYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKYST
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



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|-------------------|--|
| 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]).