

Product datasheet for **TP307480L**

TXNDC13 (TMX4) (NM_021156) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human thioredoxin-related transmembrane protein 4 (TMX4), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207480 representing NM_021156 Red =Cloning site Green =Tags(s) |
| | <p>MAGGRCGPQLTALLAAWIAAVAATAGPEEAALPPEQSRVQPMTASNWTLVMEGEWMLKFYAPWCPSCQQT DSEWEAFKNGEILQISVGKVDVIQEPGLSGRFFVTTLPAFFHAKDGIFRRYRGPFGIFEDLQNYILEKKW QSVEPLTGWKSPASLTMSGMAGLFSISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLFMGLVLVVI SECFYVPLPRHLSESEQNRRSEEAHRAEQLQDAEEEKDDSNEEENKDSLVDDEEEKEDLGDEDEAEEMEE EEDNLAAGVDEERSEANDQGPPGEDGVTRREEVEPEEAEEGISEQPCPADTEVVEDSLRQRKSKHADKGL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 38.8 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: | <u>NP_066979</u> |
| Locus ID: | 56255 |



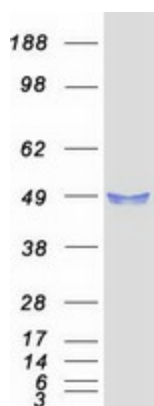
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UniProt ID: [Q9H1E5](#)
RefSeq Size: 2368
Cytogenetics: 20p12.3
RefSeq ORF: 1047
Synonyms: DJ971N18.2; PDIA14; TXNDC13

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 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. [provided by RefSeq, Jan 2017]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified TMX4 protein (Cat# [TP307480]). The protein was produced from HEK293T cells transfected with TMX4 cDNA clone (Cat# [RC207480]) using MegaTran 2.0 (Cat# [TT210002]).