

Product datasheet for **TP721162XL**

TMX2 (NM_015959) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human thioredoxin-related transmembrane protein 2 (TMX2), transcript variant 1 |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Met125-Lys296 |
| Tag: | N-His |
| Predicted MW: | 21.9 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. |
| Endotoxin: | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| Reconstitution Method: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_057043 |
| Locus ID: | 51075 |
| UniProt ID: | Q9Y320 |
| RefSeq Size: | 1741 |
| Cytogenetics: | 11q12.1 |
| RefSeq ORF: | 888 |



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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