

## Product datasheet for **TP302796L**

### **TXNDC4 (ERP44) (NM\_015051) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human endoplasmic reticulum protein 44 (ERP44), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC202796 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MHPAVFLSLPDLRCSLLLLVTWVFTPVTTEITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEE  
ASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRISKYPTLKLFRNGMMMCKREYRGQRSVKALADYIRQQK  
SDPIQEIRDLAEITTLDRSKRNIIGYFEQKSDSDNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNII  
YKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEELTEEGLPFLILFHMKEDTESLEIFQ  
NEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDFRHMYVFGDFKDVLPGLKQFVFD  
LHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLRDRDEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 46.8 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:** [NP\\_055866](#)

**Locus ID:** 23071



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UniProt ID: [Q9BS26](#), [A0A384MEE7](#)

RefSeq Size: 4862

Cytogenetics: 9q31.1

RefSeq ORF: 1218

Synonyms: PDIA10; TXNDC4

**Summary:** This gene encodes a member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. It has an inferred N-terminal signal peptide, a catalytically active thioredoxin (TRX) domain, two TRX-like domains and a C-terminal ER-retention sequence. This protein functions as a pH-regulated chaperone of the secretory pathway and likely plays a role in protein quality control at the endoplasmic reticulum - Golgi interface. [provided by RefSeq, Dec 2016]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified ERP44 protein (Cat# [TP302796]). The protein was produced from HEK293T cells transfected with ERP44 cDNA clone (Cat# [RC202796]) using MegaTran 2.0 (Cat# [TT210002]).