

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
SDPIQEIRDLAEITTLDRSKRNIIGYFEQKSDNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNII
YKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEEELTEGLPLILFHMKEDTESLEIFQ
NEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSFHMYVFGDFKDVLPGLKQFVFD
LHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPPESSFQKLAPSEYRYTLRDRDEL

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](#)

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]).