

Product datasheet for **TP302796M**

TXNDC4 (ERP44) (NM_015051) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human endoplasmic reticulum protein 44 (ERP44), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202796 protein sequence Red =Cloning site Green =Tags(s)

MHPAVFLSLPDLRCSLLLLVTWVFTPVTTEITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEE
ASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRISKYPTLKLFRNGMMMCKREYRGQRSVKALADYIRQQK
SDPIQEIRDLAEITTLDRSKRNIIGYFEQKSDSNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNII
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]).