

Product datasheet for PH302796

TXNDC4 (ERP44) (NM_015051) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ERP44 MS Standard C13 and N15-labeled recombinant protein (NP_055866)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202796
Predicted MW:	47 kDa
Protein Sequence:	>RC202796 protein sequence Red=Cloning site Green=Tags(s)

MHPAVFLSLPDLRCSLLLLVTWVFTPVTTEITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEE
ASDVIKEEFPNENQVVFARVDCDQHSIDIAQRYRISKYPTLKLFRNGMMMKREYRGQRSVKALADYIRQQK
SDPIQEIRDLAIEITTLDRSKRNIIGYFEQKSDNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNII
YKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEELTEEGLPFLILFHMKEDTESLEIFQ
NEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDFRHMYVFGDFKDVLIIPGKQKQFVFD
LHSGKLRHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLRLRDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055866
RefSeq Size:	4862
RefSeq ORF:	1218
Synonyms:	PDIA10; TXNDC4
Locus ID:	23071



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

Cytogenetics: 9q31.1

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]).