

Product datasheet for PH302796

OriGene Technologies, Inc.

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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 **HEK293 Expression Host:** RC202796

Expression cDNA Clone

or AA Sequence:

Predicted MW: 47 kDa

>RC202796 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MHPAVFLSLPDLRCSLLLLVTWVFTPVTTEITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEE ASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRISKYPTLKLFRNGMMMKREYRGQRSVKALADYIRQQK SDPIQEIRDLAEITTLDRSKRNIIGYFEQKDSDNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNII YKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEELTEEGLPFLILFHMKEDTESLEIFQ NEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSFRHMYVFGDFKDVLIPGKLKQFVFD

LHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLLRDRDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

>0.05 µg/µL as determined by microplate BCA method **Concentration:**

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-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

RefSeg Size: 4862 RefSeq ORF: 1218

PDIA10; TXNDC4 Synonyms:

Locus ID: 23071





TXNDC4 (ERP44) (NM_015051) Human Mass Spec Standard - PH302796

UniProt ID: Q9BS26, A0A384MEE7

Cytogenetics: 9q31.1

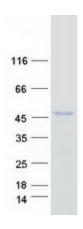
Summary: This gene encodes a member of the protein disulfide isomerase (PDI) family of endoplasmic

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]).