

Recombinant Human ERP44, His-tagged

Cat. No. ERP44-30129TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TXNDC4 with an N terminal His tag; 415 amino acids, MWt 48 kDa.
Species	Human
Source	E.coli
ProteinLength	377 amino acids
Description	ERP44 is a novel endoplasmic reticulum chaperone involved in thiol-dependent retention of the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif.
Conjugation	HIS
Molecular Weight	48.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWAGSMEITSLDTENIDEILNN
ADVALVNFYADWCRFSQMLHPIFEEASDVKEEFPNENQVVFARVDCDQHSDIAQR
YRISKYPTLKLFRNGMMMCREYRGQRSVKALADYIRQQKSDPIQEIRDLAEITTLDRS
KRNIIGYFEQKDSNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNIIYKPPGHS
APDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEEELTEEGLPFLILFHMKEDE
SLEIFQNEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSRHMYVFG
DFKDVLPGLKQFVFDLHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQK
LAPSEYRYTLLRDRDEL

Sequence Similarities

Contains 1 thioredoxin domain.

GENE INFORMATION

Gene Name

ERP44 endoplasmic reticulum protein 44 [Homo sapiens]

Official Symbol

ERP44

Synonyms

ERP44; endoplasmic reticulum protein 44; thioredoxin domain containing 4 (endoplasmic reticulum) , TXNDC4; endoplasmic reticulum resident protein 44; KIAA0573; PDIA10; protein disulfide isomerase family A; member 10;

Gene ID

23071

mRNA Refseq

NM_015051

Protein Refseq

NP_055866

MIM

609170

Uniprot ID

Q9BS26

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Chromosome Location	9q22.33
Function	protein disulfide isomerase activity;