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: NoneConstituents: 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.

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Sequences of amino acids	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWAGSMEITSLDTENIDEILNN ADVALVNFYADWCRFSQMLHPIFEEASDVIKEEFPNENQVVFARVDCDQHSDIAQR YRISKYPTLKLFRNGMMMKREYRGQRSVKALADYIRQQKSDPIQEIRDLAEITTLDRS KRNIIGYFEQKDSDNYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNIIYKPPGHS APDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEELTEEGLPFLILFHMKEDTE SLEIFQNEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSFRHMYVFG DFKDVLIPGKLKQFVFDLHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQK 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;

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