

Product Data Sheet

Recombinant Human ERP44 Protein

Catalog #	Source	Reactivity	Applications
CRP1503	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human ERP44 Protein is produced by mammalian expression system and the target gene encoding Glu30-Asp402 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 7.5.		
Gene Symbol	ERP44		
Alternative Names	KIAA0573; TXNDC4; Endoplasmic reticulum resident protein 44; ER protein 44; ERp44; Thioredoxin domain-containing protein 4		
Entrez Gene	23071 (Human)		
SwissProt	Q9BS26 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	EITSLDTENI DEILNNADVA LVNFYADWCR FSQMLHPIFE EASDVIKEEF PNENQVVFAR VDCDQHSDIA QRYRISKYPT LKLFNRNGMMM KREYRGQRSV KALADYIRQQ KSDPIQEIRD LAEITTLDRS KRNIIGYFEQ KSDSNYRVFE RVANILHDDC AFLSAFGDVS KPERYSGDNI IYKPPGHSAP DMVYLGAMTN FDTVYNWIQD KCVPLVREIT FENGEEELTEE GLPFLILFHM KEDTESLEIF QNEVARQLIS EKGITINFLHA DCDKFRHPLL HIQKTPADCP VIAIDSFRHM YVFGDFKDVL IPGKLKQFVF DLHSGKLHRE FHHGPDPTDT APGEQAQDVA SSPPESSFQK LAPSEYRYTL LRDVDHHHHH H		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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