

Recombinant Human ERP29 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ERP29-1732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ERP29 MS Standard C13 and N15-labeled recombinant protein (NP_006808) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein which localizes to the lumen of the endoplasmic reticulum (ER). It is a member of the protein disulfide isomerase (PDI) protein family but lacks an active thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase. The canonical protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	29 kDa
AA Sequence	MAAAVPRAAFLSPLLPLLLGFLLLSAPHGGSGLHTKGALPLDTVTFYKVIPKSKFVLV KFDTQYPYGEKQDEFKRLAENSASSDDLVAEVGISDYGDKLNMESEKYKLDKES YPVFYLFRDGDGFENPVPTGAVKVGAIQRWLKGQGVYLGMPGCLPVYDALAGEFIR ASGVEARQALLKQGQDNLSVKETQKKWAEQYLKIMGKILDQGEDFPASEMTRIAR LIEKNKMSDGKKEELQKSLNILTAFQKKGAKEELTRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

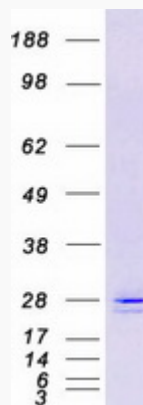
GENE INFORMATION

Gene Name	ERP29 endoplasmic reticulum protein 29 [Homo sapiens (human)]
Official Symbol	ERP29
Synonyms	ERP29; endoplasmic reticulum protein 29; C12orf8, chromosome 12 open reading frame 8; endoplasmic reticulum resident protein 29; ERp28; ERp29; ERp31; PDI DB; PDIA9; protein disulfide isomerase family A; member 9; endoplasmic reticulum resident protein 28; endoplasmic reticulum resident protein 31; endoplasmic reticulum luminal protein ERp28; protein disulfide isomerase family A, member 9; PDI-DB; C12orf8;
Gene ID	10961
mRNA Refseq	NM_006817
Protein Refseq	NP_006808
MIM	602287
UniProt ID	P30040

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SDS-PAGE

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