

Recombinant Human ERP29 293 Cell Lysate

Cat. No. ERP29-6544HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for endoplasmic reticulum protein 29 (ERP29), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

ERP29 endoplasmic reticulum protein 29 [Homo sapiens]

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_001034025

Protein Refseq

NP_001029197

MIM

602287

UniProt ID

P30040

Chromosome Location

12q24.13

Pathway

Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein

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processing in endoplasmic reticulum, conserved biosystem;

Function

protein disulfide isomerase activity;

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