

Recombinant Human ERO1L 293 Cell Lysate

Cat. No. ERO1L-6546HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ERO1-like (<i>S. cerevisiae</i>) (ERO1L) 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.

 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

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

ERO1L ERO1-like (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

ERO1L

Synonyms

ERO1L; ERO1-like (*S. cerevisiae*); ERO1 (*S. cerevisiae*) like; ERO1-like protein alpha; ERO1 alpha; ERO1A; ERO1-L; ERO1-L-alpha; oxidoreductin-1-L-alpha; endoplasmic oxidoreductin-1-like protein; ERO1-alpha;

Gene ID

30001

mRNA Refseq

NM_014584

Protein Refseq

NP_055399

UniProt ID

Q96HE7

**Chromosome
Location**

14q22.1

Pathway

Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Vibrio cholerae infection, organism-specific biosystem; Vibrio cholerae infection, conserved biosystem;

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Function

flavin adenine dinucleotide binding; oxidoreductase activity; oxidoreductase activity, acting on a sulfur group of donors, disulfide as acceptor;

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