

Recombinant Human HERPUD1 293 Cell Lysate

Cat. No. HERPUD1-5585HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 (HERPUD1), 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.

 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 [HERPUD1 homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 \[Homo sapiens \]](#)

Official Symbol HERPUD1

Synonyms HERPUD1; homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1; homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein; HERP; KIAA0025; Mif1; SUP; MMS-inducible; methyl methanesulfonate (MMF)-inducible fragment protein 1; homocysteine-inducible endoplasmic reticulum stress-inducible ubiquitin-like domain member 1 protein;

Gene ID [9709](#)

mRNA Refseq [NM_014685](#)

Protein Refseq [NP_055500](#)

MIM [608070](#)

UniProt ID [Q15011](#)

Chromosome Location 16q13

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Pathway

Activation of Genes by ATF4, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; HRD1/SEL1 ERAD complex, organism-specific biosystem; HRD1/SEL1 ERAD complex, conserved biosystem; PERK regulated gene expression, organism-specific biosystem;

Function

molecular_function;

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