Recombinant Human KDELR3 293 Cell Lysate

Cat. No. KDELR3-4998HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3 (KDELR3), 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	KDELR3 KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3 [Homo sapiens]
Official Symbol	KDELR3
Synonyms	KDELR3; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3; ER lumen protein retaining receptor 3; KDEL receptor 3; KDEL endoplasmic reticulum protein retention receptor 3; ERD2L3;
Gene ID	11015
mRNA Refseq	NM_006855
Protein Refseq	NP_006846
UniProt ID	O43731
Chromosome Location	22q13
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem; Vibrio cholerae infection, organism-specific biosystem; Vibrio cholerae infection, conserved biosystem;

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Function	ER retention sequence binding; receptor activity;

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