Recombinant Human LDB1 293 Cell Lysate

Cat. No. LDB1-4792HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LIM domain binding 1 (LDB1), transcript variant 3 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	LDB1 LIM domain binding 1 [Homo sapiens]
Official Symbol	LDB1
Synonyms	LDB1; LIM domain binding 1; LIM domain-binding protein 1; carboxy terminal LIM domain protein 2; CLIM2; NLI; LDB-1; hLdb1; CLIM-2; nuclear LIM interactor; LIM domain-binding factor-1; LIM domain-binding factor CLIM2; carboxyl-terminal LIM domain-binding protein 2;
Gene ID	8861
mRNA Refseq	NM_001113407
Protein Refseq	NP_001106878
MIM	603451
UniProt ID	Q86U70
Chromosome Location	10q24-q25
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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Function	DNA binding; LIM domain binding; LIM domain binding; RNA polymerase II activating transcription factor binding; chromatin binding; enhancer sequence-specific DNA binding; enzyme binding; protein homodimerization activity; protein self-association; transcription corepressor activity;

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