Recombinant Human LIMA1 293 Cell Lysate

Cat. No. LIMA1-4742HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LIM domain and actin binding 1 (LIMA1), transcript variant b 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	LIMA1 LIM domain and actin binding 1 [Homo sapiens]
Official Symbol	LIMA1
Synonyms	LIMA1; LIM domain and actin binding 1; LIM domain and actin-binding protein 1; epithelial protein lost in neoplasm beta; EPLIN; 1110021C24Rik; sterol regulatory element binding protein 3; SREBP3; FLJ38853; MGC131726;
Gene ID	51474
mRNA Refseq	NM_001113547
Protein Refseq	NP_001107019
MIM	608364
UniProt ID	Q9UHB6
Chromosome Location	12q13.12
Pathway	Stabilization and expansion of the E-cadherin adherens junction, organism-specific biosystem;
Function	actin filament binding; actin monomer binding; metal ion binding; zinc ion binding;

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