

Recombinant Human LAT 293 Cell Lysate

Cat. No. LAT-4816HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for linker for activation of T cells (LAT), 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

LAT linker for activation of T cells [Homo sapiens]

Official Symbol

LAT

Synonyms

LAT; linker for activation of T cells; linker for activation of T-cells family member 1; LAT1; transmembrane adaptor; p36-38; 36 kDa phospho-tyrosine adapter protein; 36 kDa phospho-tyrosine adaptor protein; linker for activation of T cells, transmembrane adaptor; pp36;

Gene ID

27040

mRNA Refseq

NM_014387

Protein Refseq

NP_055202

MIM

602354

UniProt ID

O43561

Chromosome Location

16q13

Pathway

Adaptive Immune System, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc

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gamma R-mediated phagocytosis, conserved biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; GPVI-mediated activation cascade, organism-specific biosystem;

Function

SH3/SH2 adaptor activity; protein binding; protein kinase binding;

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