

Recombinant Human LAT2 293 Cell Lysate

Cat. No. LAT2-4815HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for linker for activation of T cells family, member 2 (LAT2), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	LAT2 linker for activation of T cells family, member 2 [Homo sapiens]
Official Symbol	LAT2
Synonyms	LAT2; linker for activation of T cells family, member 2; WBSCR5, WBSCR15, Williams Beuren syndrome chromosome region 5; linker for activation of T-cells family member 2; HSPC046; LAB; linker for activation of B cells; linker for activation of T cells; transmembrane adaptor 2; non T cell activation linker; NTAL; WSCR5; non-T-cell activation linker; linker for activation of B-cells; membrane-associated adapter molecule; Williams-Beuren syndrome chromosomal region 5 protein; Williams-Beuren syndrome chromosomal region 15 protein; linker for activation of T cells, transmembrane adaptor 2; WBSCR5; WBSCR15;
Gene ID	7462
mRNA Refseq	NM_014146
Protein Refseq	NP_054865
MIM	605719
UniProt ID	Q9GZY6
Chromosome Location	7q11.23
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Fc-epsilon receptor

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I signaling in mast cells, organism-specific biosystem;

Function

SH2 domain binding; protein binding;

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