Recombinant Human LAT2 293 Cell Lysate

Cat. No. LAT2-4814HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for linker for activation of T cells family, member 2 (LAT2), transcript variant 2 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	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_032463
Protein Refseq	NP_115852
MIM	605719
UniProt ID	Q9GZY6
Chromosome Location	7q11.23

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Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem;
Function	SH2 domain binding; protein binding;

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