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## Datasheet for ABIN7318738 LAT2 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	LAT2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAT2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human LAT2 Protein (His Tag)
Sequence:	Arg27-Ala243
Characteristics:	Recombinant Human Linker for Activation of T-Cells Family Member 2 is produced by our Mammalian expression system and the target gene encoding Arg27-Ala243 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	LAT2
Alternative Name:	LAT2 ( <a href="#">LAT2 Products</a> )
Background:	Background: Linker for Activation of T-Cells Family Member 2 (LAT2) is a single-pass type III membrane protein. LAT2 is highly expressed in the spleen, peripheral blood lymphocytes, and

## Target Details

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germinal centers of lymph nodes. LAT2 is involved in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. It may also be involved in BCR (B-cell antigen receptor)-mediated signaling in B-cells and FCGR1 (high affinity immunoglobulin gamma Fc receptor I)-mediated signaling in myeloid cells. Coupling activate of these receptors and their associated kinases with distal intracellular events through the recruitment of GRB2.

Synonym: Linker for Activation of T-Cells Family Member 2, Linker for Activation of B-Cells, Membrane-Associated Adapter Molecule, Non-T-Cell Activation Linker, Williams-Beuren Syndrome Chromosomal Region 15 Protein, Williams-Beuren Syndrome Chromosomal Region 5 Protein, LAT2, LAB, NTAL, WBS15, WBSCR15, WBSCR5

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Molecular Weight: 25.0 kDa

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UniProt: [Q9GZY6](#)

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Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [BCR Signaling](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

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Storage: 4 °C, -20 °C, -80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.