

## Recombinant Human LAT2, His-tagged

**Cat. No.** LAT2-29925TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 27-243 of Human NTAL with N terminal His tag; 238 amino acids with tag, MWt 26.2kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	217 amino acids
<b>Description</b>	This gene is one of the contiguous genes at 7q11.23 commonly deleted in Williams syndrome, a multisystem developmental disorder. This gene consists of at least 14 exons, and its alternative splicing generates 3 transcript variants, all encoding the same protein.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	26.200kDa inclusive of tags
<b>Tissue specificity</b>	Highly expressed in spleen, peripheral blood lymphocytes, and germinal centers of lymph nodes. Also expressed in placenta, lung, pancreas and small intestine. Present in B-cells, NK cells and monocytes. Absent from T-cells (at protein level).
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

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**Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Sequences of amino acids**  
 MGSSHHHHHH SSGLVPRGSH MRCSRPGAKR SEKIYQQRSL REDQQSFTGS  
 RTYSLVGQAW PGPLADMAPT RKDKLLQFYP SLEDPASSRY QNFSKGSRHG  
 SEEAYIDPIA MEYYNWGRFS KPPEDDDANS YENVLICKKQK TTETGAQQEG  
 IGGLCRGDLS LSLALKTGPT SGLCPSASPE EDEESEDYQN SASIHWRES  
 RKVMGQLQRE ASPGPVGSPP EEDGEPTYVN GEVAATEA

## 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; tr

**Gene ID** 7462

**mRNA Refseq** NM\_014146

**Protein Refseq** NP\_054865

**MIM** 605719

**Uniprot ID** Q9GZY6

**Chromosome Location** 7q11.23

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

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