

Datasheet for ABIN7550030  
**LAT2 Protein (AA 1-243) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LAT2
Protein Characteristics:	AA 1-243
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat LAT2 Protein expressed in mammalien cells.
Sequence:	<p>MSSGTELLWP GAALLVLLGV AASLCVRCR PGAKRSEKIY QQRSLREDQQ SFTGSRTYSL VGQAWPGPLA DMAPTRKDKL LQFYPSLEDP ASSRYQNFSK GSRHGSEEAY IDPIAMEYYN WGRFSKPPED DDANSYENVL ICKQKTTETG AQQEGIGGLC RGDLSLSLAL KTGPTSGLC SASPEEDEES EDYQNSASIH QWRESRKVMG QLQREASPGP VGSPDEEDGE PDYVNGEVAA TEA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: LAT2

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Alternative Name: LAT2 ([LAT2 Products](#))

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Background: 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),FUNCTION: Involved in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. 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. Couples activation of these receptors and their associated kinases with distal intracellular events through the recruitment of GRB2.  
{ECO:0000269|PubMed:12486104, ECO:0000269|PubMed:12514734, ECO:0000269|PubMed:15010370}.

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Molecular Weight: 26.6 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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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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