

Datasheet for ABIN7554406
LAT Protein (AA 1-262) (His tag)



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Overview

Quantity:	1 mg
Target:	LAT
Protein Characteristics:	AA 1-262
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat LAT Protein expressed in mammalien cells.
Sequence:	MEEAILVPCV LGLLLLPILA MLMALCVHCH RLPGSYDSTS SDSLYPRGIQ FKRPHTVAPW PPAYPPVTSY PPLSQPDLLP IPRSPQPLGG SHRTPSSRRD SDGANSVASV ENEGASGIRG AQAGWGVWGP SWTRLTPVSL PPEPACEDAD EDEDDYHNPG YLVVLPDSTP ATSTAAPSAP ALSTPGIRDS AFSMESIDY VNVPESGESA EASLDGSREY VNVSQELHPG AAKTEPAALS SQEAEEVEEEE GAPDYENLQE LN 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.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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.

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

Grade: custom-made

Target Details

Target: LAT

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

Background: Linker for activation of T-cells family member 1 (36 kDa phosphotyrosine adapter protein) (pp36) (p36-38),FUNCTION: Required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development (PubMed:25907557, PubMed:23514740). Involved in FCGR3 (low affinity immunoglobulin gamma Fc region receptor III)-mediated signaling in natural killer cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Couples activation of these receptors and their associated kinases with distal intracellular events such as mobilization of intracellular calcium stores, PKC activation, MAPK activation or cytoskeletal reorganization through the recruitment of PLCG1, GRB2, GRAP2, and other signaling molecules. {ECO:0000269|PubMed:10072481, ECO:0000269|PubMed:23514740, ECO:0000269|PubMed:25907557}.

Molecular Weight: 27.9 kDa

UniProt: [O43561](#)

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

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
