

## Product datasheet

# Recombinant Human LAT protein ab113124

### 画像数 1

#### 製品の概要

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製品名	Recombinant Human LAT protein
タンパク質長	Protein fragment

#### 製品の詳細

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由来	Recombinant
由来	Escherichia coli

#### アミノ酸配列

アクセッション番号 [O43561-2](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMHCHRLPGSYDSTSSDSLYPRGIQFKRPHT  
VAPWPPAYPPVTSYPPLSQPDLLPIPRSPQPLGGSHRTPSSRRDSDGANS  
VASYENEEPACEDADEDDEDDYHNPGYLVVLPDSTPATSTAAPSAPALSTP  
GIRDSAFSMESIDDYVNPESGESAEASLDGSREYVNVSQLHPGAAKTE  
PAALSSQEAEEVEEGAPDYENLQELN**

分子量	24 kDa including tags
領域	28 to 233
タグ	His tag N-Terminus

#### 特性

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Our [Abpromise guarantee](#) covers the use of **ab113124** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
精製度	> 95 % SDS-PAGE. ab113124 was purified using conventional chromatography.
製品の状態	Liquid

## 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.02% DTT

## 関連情報

### 機能

Required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development. 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.

### 組織特異性

Expressed in thymus, T-cells, NK cells, mast cells and, at lower levels, in spleen. Present in T-cells but not B-cells (at protein level).

### 翻訳後修飾

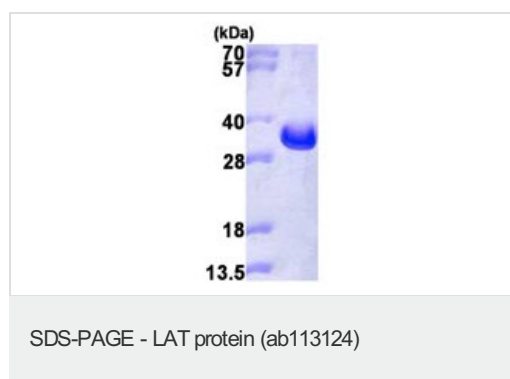
Phosphorylated on tyrosines by ZAP-70 upon TCR activation, or by SYK upon other immunoreceptor activation; which leads to the recruitment of multiple signaling molecules. Is one of the most prominently tyrosine-phosphorylated proteins detected following TCR engagement. May be dephosphorylated by PTPRJ.

Palmitoylation of Cys-26 and Cys-29 is required for raft targeting and efficient phosphorylation.

### 細胞内局在

Cell membrane. Present in lipid rafts.

## 画像



15% SDS-PAGE analysis of ab113124 (3 µg).

Molecular weight on SDS-PAGE will appear higher.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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