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Recombinant human LAT protein

Catalog Number: ATGP1238

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-233aa

UniProt No.

043561

NCBI Accession No.

NP 001014987

Alternative Names

linker for activation of T-cells family member 1 isoform b, LAT1, pp36

PRODUCT SPECIFICATION

Molecular Weight

24.4 kDa (227aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LAT is an integral membrane protein which is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. LAT is expressed in T lymphocytes in interstitial spaces, platelets and megakaryocytes. LAT is not expressed in B cells, macrophages, plasma cells, monocytes, epithelial histiocytes and dendritic cells. Recombinant human LAT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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Amino acid Sequence

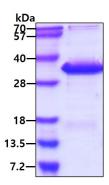
<MGSSHHHHHH SSGLVPRGSH M>HCHRLPGSY DSTSSDSLYP RGIQFKRPHT VAPWPPAYPP VTSYPPLSQP DLLPIPRSPQ PLGGSHRTPS SRRDSDGANS VASYENEEPA CEDADEDEDD YHNPGYLVVL PDSTPATSTA APSAPALSTP GIRDSAFSME SIDDYVNVPE SGESAEASLD GSREYVNVSQ ELHPGAAKTE PAALSSQEAE EVEEEGAPDY ENLQELN

General References

Paz PE., et al. (2001) Biochem J. 356(2):461-71. Zhang W., et al. (1998) Cell. 92(1):83-92.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

