

LAT recombinant protein

LAT, 28-233aa, Human, His tag, E Coli

CATALOG # AAA48756	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

LAT; 28-233aa; Human; His tag; E Coli; linker for activation of T-cells family member 1 isoform b; LAT1; pp36; LAT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT
Concentration	1 mg/ml (determined by Bradford) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MHCHRLPGSY DSTSSDSLYP RGIQFKRPHT VAPWPPAYPP VTSYPPLSQP DLLPIRSPQ PLGGSHRTPS SRRDSHGANS VASYNEEPA CEDADEDED YHNPGLVVL PDSTPATSTA APSAPALSTP GIRDFAFSME SIDDYVNVPE SGESAEASLD GSREYVNVSQ ELHPGAakte PAALSSQEAE EVEEEGAPDY ENLQELN
Sequence Length	233
Applicable Applications for LAT recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LAT recombinant protein	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.
Product Categories/Family for LAT recombinant protein	Signal Transduction
References	Paz PE., et al. (2001) Biochem J. 356 (2):461-71.; Zhang W., et al. (1998) Cell. 92 (1):83-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739155
NCBI GeneID	27040
NCBI Accession #	NP_001014987
NCBI GenBank Nucleotide #	NM_001014987.1
UniProt Accession #	O43561; O43919; B7WPI0; C7C5T6; G5E9K3
Molecular Weight	24.4 kDa (227aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	linker for activation of T-cells family member 1 isoform b
NCBI Official Synonym Full Names	linker for activation of T cells
NCBI Official Symbol	LAT
NCBI Official Synonym Symbols	LAT1; pp36; IMD52
NCBI Protein Information	linker for activation of T-cells family member 1
UniProt Protein Name	Linker for activation of T-cells family member 1
UniProt Gene Name	LAT
UniProt Synonym Gene Names	pp36

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lat-recombinant-protein-e-coli-sds-page/48756>