

LAT Human

Description: LAT Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (28-233) and having a molecular mass of 24.4 kDa (Molecular weight on SDS-PAGE will appear higher). LAT is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-955

For research use only.

Synonyms: Linker for activation of T cells, LAT1, 36 kDa phospho-tyrosine adapter protein, p36-38, pp36, linker for activation of T cells transmembrane adaptor, linker for activation of T-cells family member 1.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MHCHRLPGSY DSTSSDSLYP
RGIQFKRPHT VAPWPPAYPP VTSYPPLSQP DLLPIRSPQ PLGGSHRTPS SRRSDGANS
VASYENEEPA CEDADEDED YHNPGYLVVL PDSTPATSTA APSAPALSTP GIRDSAFSME
SIDDYVNVPE SGESAEASLD GSREYVNVSQ ELHPGAAKTE PAALSSQEA EEEEEGAPDY
ENLQELN

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The LAT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

LAT is a vital membrane protein that is phosphorylated by ZAP-70/Syk protein tyrosine kinases succeeding activation of the T-cell antigen receptor (TCR) signal transduction pathway. LAT is expressed in T lymphocytes in interstitial spaces, platelets and megakaryocytes.

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