

**LAT, 28-233 aa, Human, His tag, E.coli**

**Cat.NO.: TP02782**

3th Edition

**Synonyms:** Linker for activation of T-cells family member 1 isoform b, LAT1, pp36.

**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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT

**Molecular Weight:** 24.4 kDa (227aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMHCHRLPGSYDSTSSDSL YPRGIQFKRPHTVAPWPPAYPPVTSYPPLSQPDLLPI  
PRSPQPLGGSHRTPSSRRDSDGANSVASYENE E PACEDADEDED D YHNPGYLVVLPDSTPATSTAAPSAPALSTP  
GIRDSAFSMESIDDYVNPESGESAEASLDGSREYVNV SQELHPGAAKTEPAALSSQEAEVEEEEGAPDYENLQEL  
N

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.