

Recombinant Human LCK, MYC/DDK-tagged

Cat. No. LCK-273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LCK, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells
Species	Human
Source	HEK293
Description	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	LCK LCK proto-oncogene, Src family tyrosine kinase [Homo sapiens]
Official Symbol	LCK
Synonyms	LSK; YT16; IMD22; p56lck; pp58lck; tyrosine-protein kinase Lck; T-lymphocyte specific protein tyrosine kinase p56lck; leukocyte C-terminal Src kinase; lymphocyte cell-specific protein-tyrosine kinase; lymphocyte-specific protein tyrosine kinase; p56(LSTRA) protein-tyrosine kinase; proto-oncogene tyrosine-protein kinase LCK; t cell-specific protein-tyrosine kinase
Gene ID	3932
mRNA Refseq	NM_005356
Protein Refseq	NP_005347
MIM	153390
UniProt ID	P06239
Chromosome Location	1p34.3
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem
Function	ATP binding; ATPase binding; SH2 domain binding

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