

## Recombinant Human LCK, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LCK, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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 palmylation, 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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	57.8 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	LCK LCK proto-oncogene, Src family tyrosine kinase [ Homo sapiens ]
<b>Official Symbol</b>	LCK
<b>Synonyms</b>	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
<b>Gene ID</b>	3932
<b>mRNA Refseq</b>	NM_005356
<b>Protein Refseq</b>	NP_005347
<b>MIM</b>	153390
<b>UniProt ID</b>	P06239
<b>Chromosome Location</b>	1p34.3
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem
<b>Function</b>	ATP binding; ATPase binding; SH2 domain binding

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