Recombinant Human LCK, GST-tagged, Active

Cat. No. LCK-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human LCK was expressed by baculovirus in*Sf9 insect cell*susing a N-terminal GST tag. MW = 84 kDa.
Species	Human
Source	Sf9 Cells
Description	LCK (p56lck) is a member of the src family of non-receptor tyrosine kinases. It was identified as a gene rearranged and overexpressed in the murine lymphoma LSTRA, most likely as a result of the insertion of Moloney murine leukemia virus DNA immediately adjacent to the gene. Lck behaves as a proto-oncogene and can lead to cell transformation upon activation. A number of human cancer cell lines show overexpression of LCK, pointing to a possible role for this kinase in the initiation and maintenance of the transformed state in human cancers.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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 Name	LCK lymphocyte-specific protein tyrosine kinase [Homo sapiens]
Synonyms	LCK; lymphocyte-specific protein tyrosine kinase; YT16; p56lck; pp58lck; protein tyrosine kinase; protein tyrosine kinase; protein tyrosine kinase; protein tyrosine kinase; EC 2.7.10.2; LSK; p56-LCK; Lymphocyte cell-specific protein-tyrosine kinase; T cell-specific protein-tyrosine kinase
Gene ID	3932
mRNA Refseq	NM_001042771
Protein Refseq	NP_001036236
MIM	153390
UniProt ID	P06239
Chromosome Location	1p34.3
Pathway	Natural killer cell mediated cytotoxicity; Primary immunodeficiency; T cell receptor signaling pathway; HIV Infection; HIV Infection; Signaling in Immune system
Function	non-membrane spanning protein tyrosine kinase activity; ATP binding; ATPase binding; CD4 receptor binding; CD8 receptor binding; SH2 domain binding; glycoprotein binding; nucleotide binding; phosphoinositide 3-kinase binding; protein C-terminus binding; protein kinase binding; protein serine/threonine phosphatase activity; transferase activity

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

The SH2 domain of human Lck colored from blue (N-terminus) to red (C-terminus).

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