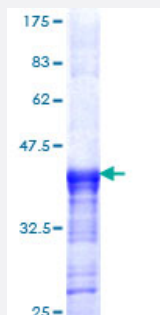


LCK (Human) Recombinant Protein (Q01)

Catalog # H00003932-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LCK partial ORF (AAH13200, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGCGCSSHPEDDWMENIDVCENCHYPMPLDGKGTLLIRNGSEVRDPLVTYEGSNPPASPLQDN LVIALHSYEPSHDGDLGFEEKGEQLRILEQSGEWWKA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LCK

Entrez GeneID [3932](#)

GeneBank Accession# [BC013200](#)

Protein Accession# [AAH13200](#)

Gene Name LCK

Gene Alias YT16, p56lck, pp58lck

Gene Description lymphocyte-specific protein tyrosine kinase

Omim ID [153390](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations T-lymphocyte specific protein tyrosine kinase p56lck|p56(LSTRA) protein-tyrosine kinase|protein tyrosine kinase|proto-oncogene tyrosine-protein kinase LCK

Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)

- [T cell receptor signaling pathway](#)

Disease

- [HIV Infections](#)
- [Tobacco Use Disorder](#)