



# Recombinant Human Tyrosine-protein kinase Lck (LCK)

<b>Product Code</b>	CSB-YP012806HU
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P06239
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MGCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTYE GSNPPASPLQDNLVIALHSYEP SHDGLGFEKGEQLRILEQSGEWWKAQSLT TGQEGFIPFNFAKANSLEPEPWFFKNLSRKDAERQLLAPGNTHGSFLIRESE STAGSFSLSVRDFDQNGEVVKHYKIRNLDNGGFYISPRITFPGLHELVRHYTN ASDGLCTRLSRPCQTQKPQKPWWEDEWEVPRETLKLVERLGAGQFGEVWM GYNGHTKVAVKSLKQGSMPDAFLAEANLMKQLQHQLVRLYAVVTQEPIYI ITEYMENDTLLDSQLEEKGLGASPWGNLGGQQLLLPTGSLVDFLKTSPGIKLT NKLLDMAAQIAEGMAFIEERNYIHRDLRAANILVSDTLSCKIADFGLARLIEDNEY TAREGAKFPIKWTAPEAINYGTFTIKSDVVSFGILLTEIVTHGRIPYPGMTNPEVI QNLERGYRMVRPDNCPPEELYQLMRLCWKERPEDRPTFDYLRSVLEDDFFFTATE GQYQPQP
<b>Research Area</b>	Immunology
<b>Source</b>	Yeast
<b>Target Names</b>	LCK
<b>Expression Region</b>	1-539aa
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Isoform 3
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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