



# Recombinant Human Lymphocyte cytosolic protein 2 (LCP2)

<b>Product Code</b>	CSB-EP622635HU-B
<b>Abbreviation</b>	LCP2
<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>	Q13094
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MALRNVPFERS EVLGWDPDSL ADYFKKLNKY DCEKAVKKYH IDGARFLNLT ENDIQKFPKL RVPILSKLSQ EINKNEERRS IFTRKPQVPR FPEETESHEE DNGGWSSFEE DDYESPNDDQ DGEDDGDYES PNEEEEAPVE DDADYEPPTS NDEEALQNSI LPAKPFNSN SMYIDRPPSG KTPQQPPVPP QRPMALPPP PAGRNHSPLP PPQTNHEEPS RSRNHKTAKL PAPSIDRSTK PPLDRSLAPF DREPFTLGKK PPFSDKPSIP AGRSLGEHLP KIQKPPLPPT TERHERSSPL PGKKPPVPKH GWGPDRREND EDDVHQRPLP QPALLPMSSN TFPSRSTKPS PMNPLSSHM PGAFSESNSS FPQSASLPPY FSQGPSNRPP IRAEGRNFPL PLPNKPRPPS PAEEENSLNE EWYVSYITRP EAEAALRKIN QDGTFLVRDS SKKTTTNPYV LMVLYKDKVY NIIQIRYQKES QVYLLGTGLR GKEDFLSVSD IIDYFRKMPL LLIDGKNRGS RYQCTLTAA GYP
<b>Source</b>	E.coli
<b>Target Names</b>	LCP2
<b>Protein Names</b>	Recommended name: Lymphocyte cytosolic protein 2 Alternative name(s): SH2 domain-containing leukocyte protein of 76 kDa SLP-76 tyrosine phosphoprotein Short name= SLP76
<b>Expression Region</b>	1-533
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72% identical and



comprised of three modular domains. The NH<sub>2</sub>-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.

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**Reconstitution**

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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**Shelf Life**

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