



Recombinant Mouse Lymphocyte cytosolic protein 2 (Lcp2)

Product Code	CSB-EP723341MO
Abbreviation	Lcp2
Storage	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.
Uniprot No.	Q60787
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MALKNVPFRS EVLAWNSDNL ADYFRKLNYS DCEKAVKKYH IDGARFLNLT ENDIQKFPKL RMPLLSKLSQ DINKNEERRS IFTRKPQIPR FLEETESHEE DDGGWSSFED DYESPNDDDP DGEDDGDYES PNEEEQALVD DAADYEPPTS NNEEALQSSI LPPNSFHNTN SMYIDRPPTG KVSQQPPVPP LRPKPALPPL PTGRNHSPLS PPHPNHEEPS RSGNNTAKL PAPSIDRSTK PPLDRSLAPL DREPFILGKK PPFSDKPSAP LGREHLPKIQ KPPLPPAMDR HERNERLGPV TTRKPPVPRH GRGPDRREND EDDVHQRPLP QPSLPSMSSN TFPSRSVQPS SKNTFPLAHM PGAFSESNIG FQQSASLPPY FSQGPGNRPP LRSEGRNLPL PVPNRPQPPS PGEEETPLDE EWYVSYITRP EAEAALRKIN QDGTFLVRDS SKKTANNPYV LMLYKDKVY NIQIRYQEEES QVYLLGTGLR GKEDFLSVSD IIDYFRKMPL LLIDGKNRGS RYQCTLTAA GCL
Source	E.coli
Target Names	Lcp2
Protein Names	Recommended name: Lymphocyte cytosolic protein 2 Alternative name(s): SH2 domain-containing leukocyte protein of 76 kDa SLP-76 tyrosine phosphoprotein Short name= SLP76
Expression Region	1-533
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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 NH₂-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.

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.

Shelf Life

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