

Recombinant Full Length Human LCP2 Protein, C-Flag-tagged

Cat. No. LCP2-587HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LCP2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an adapter protein that acts as a substrate of the T cell antigen receptor (TCR)-activated protein tyrosine kinase pathway. The encoded protein associates with growth factor receptor bound protein 2, and is thought to play a role TCR-mediated intracellular signal transduction. A similar protein in mouse plays a role in normal T-cell development and activation. Mice lacking this gene show subcutaneous and intraperitoneal fetal hemorrhaging, dysfunctional platelets and impaired viability.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	60 kDa
AA Sequence	MALRNVFPRSEVLGWDPDSLADYFKKLNYKDCEKAVKKYHIDGARFLNLTENDIQKF PKLRVPILSKLSQ EINKNEERRSIFTRKPQVPRFPEETESHEEDNGGWSSFEEDDYE SPNDDQDGEDDGDYESPNEEEEEAPVE DDADYEPSPSNDEEALQNSILPAKPFNPNS NSMYIDRPPSGKTPQQPPVPPQRPMAALPPPPAGRNHSPLP PPQTNHEEPSRSRN HKTAKLPAPSIDRSTKPPLDRSLAPFDREPFTLGKKPPFSDKPSIPAGRSLGEHLP KI QKPPLPPTTERHERSSPLPGKKPPVPHGWGPDRRENDEDDVHQRPLPQPALLPM

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SSNTFPSRSTKPS PMNPLPSSHMPGAFSESNSSFPQSASLPPYFSQGPSNRPPIRA
 EGRNFPLPLPNKPRPPSPAEEENSLNE EWYVSYITRPEAEALRKINQDGTFLVRDS
 SKKTTTNPYVLMVLYKDKVYNIQIRYQKESQVYLLGTGLR
 GKEDFLSVSDIIDYFRKMPLLLIDGKNRGSRYQCTLTHAAGYPTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Fc epsilon RI signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

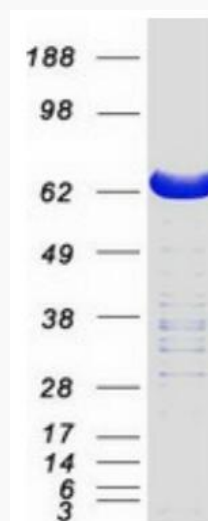
Gene Name	LCP2 lymphocyte cytosolic protein 2 [Homo sapiens (human)]
Official Symbol	LCP2
Synonyms	IMD81; SLP76; SLP-76

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Gene ID	3937
mRNA Refseq	NM_005565.5
Protein Refseq	NP_005556.1
MIM	601603
UniProt ID	Q13094



Coomassie blue staining of purified LCP2 protein.