

Active Recombinant Full Length Human LCP1 Protein, C-Flag-tagged

Cat. No. LCP1-205HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LCP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its expression is induced accompanying tumorigenesis in solid tissues.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme substrate
Molecular Mass	70.1 kDa

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AA Sequence

MARGSVSDEEMMELREAFKVDTDGNGYISFNELNDFKAACLPLPGYRVREITENL
 MATGDLQDGRIS FDEFIKIFHGLKSTDVAKTRKAINKKEGICAIGGTSEQSSVGTQ
 HSYSEEEKYAFVNWINKALENDPDC RHVIPMNPNTNDFNAVG DGIVLCKMINLSVP
 DTIDERTINKKKLTPFTIQENLNLALNSASAIGCHVVN IGAEDLKEGKPYLVLGLLWQV
 IKIGLFADIELSRNEALIALREGESLEDLMKLSPEELLRWANYHLEN AGCNKIGNFS
 TDIKDSKAYYHLLQVAPKGDEEGVPAVVIDMSG LREKDDIQRAECMLQQAERLGC
 RQFV TATDVVRGNPKLNLAFLANLFNRYPALHKPENQDIDWGALEGETREERTFRN
 WMNSLGVNPRVNHLYSDL SDALVIFQLYEKIKVPVDWNRVNKPPYKLGGMKKLE
 NCNYAVELGKNQAKFSLVGIGGQDLNEGNRTL TLALIWQLMRRYTLNILEEIGGGQK
 VNDDIIVNWVNETLREAEKSSSISFKDPKISTSLPVLDLIDAIQ PGSINYDLLKTENLN
 DDEKLNNAKYAISMARKIGARVYALPEDLVEVNPKMVM TVFACLMGKGMKRVTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

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.

Full Length

Full L.

GENE INFORMATION
Gene Name

LCP1 lymphocyte cytosolic protein 1 [Homo sapiens (human)]

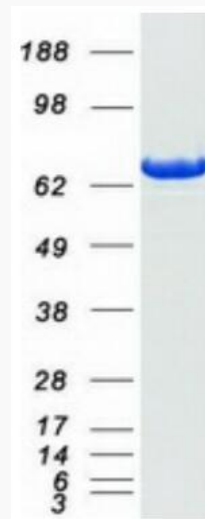
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Official Symbol	LCP1
Synonyms	LPL; CP64; PLS2; LC64P; HEL-S-37; L-PLASTIN
Gene ID	3936
mRNA Refseq	NM_002298.5
Protein Refseq	NP_002289.2
MIM	153430
UniProt ID	P13796



Coomassie blue staining of purified LCP1 protein.