

Product datasheet for PH301670

Plastin L (LCP1) (NM_002298) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LCP1 MS Standard C13 and N15-labeled recombinant protein (NP_002289)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201670
Predicted MW:	70.3 kDa
Protein Sequence:	>RC201670 protein sequence Red=Cloning site Green=Tags(s)

MARGSVSDEEMMELREAF AKVDTDNGYISF NELNDLFKAA CLPLPGYRVREITENLMATGDL DQDGRIS
FDEFIKIFHGLKSTDVAKTFRKAINKKEGICAI GGTSEQSSVGTQHSYSEEEKYAFVNWINKALENDPDC
RHVIPMNPNTNDFNAVGDGIVLCKMINLSVPDTIDERTINKKLT PFTIQENLNLALNSASAIGCHVVN
IGAEDLKEGKPYLV LGLLWQVIKIGLFADIELSRNEAL IALLREGESLEDLMLKLSPEELLRWANYHLEN
AGCNKIGNFSTDIKDSKAYYHLL EQVAPKGDEEGVPAVVIDMSGLREKDDIQRAECMLQQAERLGC RQFV
TATDVVRGNPKLNLAFIANLFNRYPALHKPENQDIDWGALEGETREERTFRNWMNSLGVNPRVNHLYSDL
SDALVIFQLYEKIKVPVDWNRVKNPPYPKLGGNMKLENCNYAVELGKNQAKFSLVGIGGQDLNEGNRTL
TLALIWQLMRRYTLNILEEIGGGQKVND DIIVNWVNETLREA EKSSSISSEFKDPKISTSLPVLDLIDAIQ
PGSINYDLLKTENLNDEKLNNAKYAISM ARKIGARVYALPEDLVEVNPKMVMTVFA CLMGKGMKRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002289
RefSeq Size:	3808
RefSeq ORF:	1881



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Synonyms: CP64; HEL-S-37; L-PLASTIN; LC64P; LPL; PLS2

Locus ID: 3936

UniProt ID: [P13796](#), [A0A024RDT4](#)

Cytogenetics: 13q14.13

Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified LCP1 protein (Cat# [TP301670]). The protein was produced from HEK293T cells transfected with LCP1 cDNA clone (Cat# [RC201670]) using MegaTran 2.0 (Cat# [TT210002]).