

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for PH301670

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

Product data:

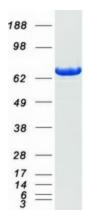
Product Type:	Mass Spec Standards
Description:	LCP1 MS Standard C13 and N15-labeled recombinant protein (NP_002289)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201670
Predicted MW:	70.3 kDa
Protein Sequence:	<pre>>RC201670 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MARGSVSDEEMMELREAFAKVDTDGNGYISFNELNDLFKAACLPLPGYRVREITENLMATGDLDQDGRIS FDEFIKIFHGLKSTDVAKTFRKAINKKEGICAIGGTSEQSSVGTQHSYSEEEKYAFVNWINKALENDPDC RHVIPMNPNTNDLFNAVGDGIVLCKMINLSVPDTIDERTINKKKLTPFTIQENLNLALNSASAIGCHVVN IGAEDLKEGKPYLVLGLLWQVIKIGLFADIELSRNEALIALLREGESLEDLMKLSPEELLLRWANYHLEN AGCNKIGNFSTDIKDSKAYYHLLEQVAPKGDEEGVPAVVIDMSGLREKDDIQRAECMLQQAERLGCRQFV TATDVVRGNPKLNLAFIANLFNRYPALHKPENQDIDWGALEGETREERTFRNWMNSLGVNPRVNHLYSDL SDALVIFQLYEKIKVPVDWNRVNKPPYPKLGGNMKKLENCNYAVELGKNQAKFSLVGIGGQDLNEGNRTL TLALIWQLMRRYTLNILEEIGGGQKVNDDIIVNWVNETLREAEKSSSISSFKDPKISTSLPVLDLIDAIQ PGSINYDLLKTENLNDDEKLNNAKYAISMARKIGARVYALPEDLVEVNPKMVMTVFACLMGKGMKRV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP 002289</u>
RefSeq Size:	3808
RefSeq ORF:	1881



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	Plastin L (LCP1) (NM_002298) Human Mass Spec Standard – PH301670
Synonyms:	CP64; HEL-S-37; L-PLASTIN; LC64P; LPL; PLS2
Locus ID:	3936
UniProt ID:	<u>P13796, A0A024RDT4</u>
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]).

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