

Product datasheet for RC201670L1

OriGene Technologies, Inc.

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Plastin L (LCP1) (NM_002298) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Plastin L (LCP1) (NM_002298) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Plastin L

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

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201670).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_002298

ORF Size: 1881 bp



Plastin L (LCP1) (NM_002298) Human Tagged Lenti ORF Clone - RC201670L1

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 002298.2</u>, <u>NP 002289.1</u>

 RefSeq Size:
 3808 bp

 RefSeq ORF:
 1884 bp

 Locus ID:
 3936

 UniProt ID:
 P13796

Cytogenetics: 13q14.13

Domains: CH, EFh

MW: 70.3 kDa

Gene 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

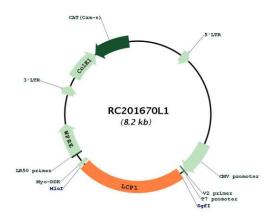
intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its

expression is induced accompanying tumorigenesis in solid tissues. [provided by RefSeq, Jul

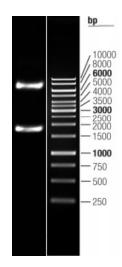
2008]



Product images:



Circular map for RC201670L1



Double digestion of RC201670L1 using Sgfl and Mlul $\,$