

Product datasheet for **SC118739**

Plastin L (LCP1) (NM_002298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plastin L (LCP1) (NM_002298) Human Untagged Clone
Tag:	Tag Free
Symbol:	Plastin L
Synonyms:	CP64; HEL-S-37; L-PLASTIN; LC64P; LPL; PLS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118739 sequence for NM_002298 edited (data generated by NextGen Sequencing)

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ATGGCCAGAGGATCAGTGTCCGATGAGGAAATGATGGAGCTCAGAGAAGCTTTTGCCAAA
GTTGATACTGATGGCAATGGATACATCAGCTTCAATGAGTTGAATGACTTGTTC AAGGCT
GCTTGCTTGCCTTTGCCTGGGTATAGAGTACGAGAAATACAGAAAACCTGATGGCTACA
GGTGACTGGACCAAGATGGAAGGATCAGCTTTGATGAGTTTATCAAGATTTTCCATGGC
CTAAAAAGCACAGATGTTGCCAAGACCTTTAGAAAAGCAATCAATAAGAAGGAAGGGATT
TGTGCAATCGGTGGTACTTCAGAGCAGTCTAGCGTTGGCACCCAACACTCCTATT CAGAG
GAAGAAAAGTATGCCTTTGTCAACTGGATAAACAAAGCCCTGGAAAATGATCCTGATTGT
CGGCATGTCATCCAATGAACCCAAACACGAATGATCTCTTTAATGCTGTTGGAGATGGC
ATTGTCTTTGTA AAAATGATCAACCTGT CAGTGCCAGACACAATTGATGAAAGAACAATC
AACAAAAAGAAGCTAACCCTTTACCATT CAGGAAAATCTGAACTTGGCTCTGAACTCT
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CCTTATCTGGTCTGGGACTTCTGTGGCAAGTCATCAAGATTGGGTTGTTTGCTGACATT
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ATTGTCAACTGGGTGAATGAAACATTGAGGGAAGCAGAGAAAAGTTCATCCATCTCTAGT
TTCAAGGACCCTAAGATTAGTACAAGTCTGCCTGTTCTGGACCTCATCGATGCCATCCAA
CCAGGTTCCATTA ACTATGACCTTCTGAAGACAGAAAATCTGAATGATGATGAGAAACTC
AACAAATGCAAAATATGCCATCTCTATGGCCCGAAAAATTTGGAGCAAGAGTGTATGCCCTG
CCAGAAGACCTGTTGAAGTGAACCCCAAATGGTCATGACCGTGTTTGCCTGCCTCATG
GGGAAAGGAATGAAGAGGGTGTGA
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Clone variation with respect to NM_002298.4
1597 a=>g;1632 g=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002298 unedited</p> <pre>TTCAC TATTTTGTAA TACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGCCACC TTTTTCCCTGGCTCTTTCACTAAAAAGAAAAATTTGTTGATCTTTGCTGTAAGTAGTCACT TCCTGCCTTGTGACCACACCCAGGCTTGACAAAAGCTGTTCTGCAGATCAGAAAGAAGG GGTTCTGGTCATACACCAGTACTACCAAGGACAGCTTTTTTCTGCAAGATCTGTTACC TAAAGCAATAAAAAATGGCCAGAGGATCAGTGTCCGATGAGGAAATGATGGAGCTCAGAG AAGCTTTTGCCAAAGTTGATACTGATGGCAATGGATACATCAGCTTCAATGAGTTGAATG ACTTGTTCAAGGCTGCTTGCCTTTCCTGGGTATAGAGTACGAGAAATTACAGAAA ACCTGATGGCTACAGGTGATCTGGACCAAGATGGAAGGATCAGCTTTGATGAGTTTATCA AGATTTTCCATGGCCTAAAAAGCACAGATGTTGCCAAGACCTTTAGAAAAGCAATCAATA AGAAGGAAGGGATTTGTGCAATCGGTGGTACTTCAGAGCAGTCTAGCGTTGGCACCCAAC ACTCCTATTCAGAGGAAGAAAAGTATGCCTTTGTCAACTGGATAAAACAAAGCCCTGNAAA ATGATCCTGATTGTCGGCATGTCATCCCAATGAACCCAAACACGAATGATCTCTTAATG CTGTTGGAGATGGCATTGCTTTGTAAGATCACCTGTGAGTCCAAAACAATTGATG AAAGACAATCACAAAAGGAGCTACCCCTTTCACCATTACGAAATCTGAACTTGGCTCT GAATCTGCCTCAACCATCCGGTGCCATGTGGCCACATAGGGGCTGAGGACCTGAAGGAGG GAAGCCTTACTCGTCCCTGGACTTTGTGGCAGTCAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002298 unedited</p> <pre>GCGGCCGATTTAGNATCGAGTTTTTTTTTTTTTTTTTATAGGGAACATTTTATTTGGA AAGATTTTGAGCATCATTCTCTTTTCAATTTTTTATTAAGGCAGTAACATTCTTTCTTCT GGAGGCGGAGGGGGAAATCATCTGAGGCTACAGTAAGTTCAATCTGAAGTCAAAACCAA CCAATTTGTATTGAGAAGCAGCAAAAATACTGGTTATGGGCTGGGAGGAGCCACATGTTG GCTTTCTGAGTCCACTGCCAAGGAACAGATCCAGAGCAATGCATTTCAATTGCTTTGAAA AATGGCTAAGTTCATTACATACCACCTAAAGAAGATACCTCATTGATGGAGCTTTTC ACCATGATAGAGGGCGTCTTGCATTGGTTACAAATGGCCTGTTGCTTTTTAGCCTTCAGT TGGTTTAGGGGAAATGCTCAACCTATGAGACCTGCTCAAATTCATACTGTTCTGGTTT TGCTTTGGAATCTTTGTCCAGTAAATTAGCTTTCATAACGCAGTTCACCATTCTTA TCCAGCATAGATTCATTCTGCCCTTGACAGCTGGCTAGGTGTGTGTGATGTGAGTAGGG GTGCTATTGATTGGCACATATTGTCCCCCTGGAGTTTAGGGGTGCACAAAGCTTTATAG TACCAAAAAAGTAAACTTGATAATATGGCCCGCAACCATCAATATGCTAAGCCTTAAAC AAAAGCAGGCAGGATTGCCCCAACTGTTCCAGGCTTAACCTACCCACAGCACCTAATC CATGGTGAGGCTAATGCCCGGAAAGCAGAACCTAAGGACGCTAAGTCTCTTCTGTC CCCAAGGCTTGGGTCCAATAACCCTCTTGGACCCCTTCCATACGCGCCAGGTTTTAGG GCCAACCCCTACAACCTCCACCGCTCAACCCACTCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002298
Insert Size:	3900 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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: [NM_002298.2](#), [NP_002289.1](#)

RefSeq Size: 3723 bp

RefSeq ORF: 1884 bp

Locus ID: 3936

UniProt ID: [P13796](#)

Cytogenetics: 13q14.13

Domains: CH, EFh

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]