

Product datasheet for **SC114337**

EPLIN (LIMA1) (NM_016357) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPLIN (LIMA1) (NM_016357) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPLIN
Synonyms:	EPLIN; LDLCQ8; SREBP3
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 SC114337 sequence for NM_016357 edited (data generated by NextGen Sequencing)

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ATGGAATCATCTCCATTTAATAGACGGCAATGGACCTCACTATCATTGAGGGTAACAGCC
AAAGAACTTTCTTGTCAACAAGAACAAGTCATCGGCTATTGTGGAAATATTCTCCAAG
TACCAGAAAGCAGCTGAAGAAACAACATGGAGAAGAAGAGAAGTAACACCGAAAATCTC
TCCCAGCACTTTAGAAAGGGGACCCTGACTGTGTTAAAGAAGAAGTGGGAGAACCAGGG
CTGGGAGCAGAGTCTCACACAGACTCTCTACGGAACAGCAGCACTGAGATTAGGCACAGA
GCAGACCATCCTCTGCTGAAGTGACAAGCCACGCTGCTTCTGGAGCCAAGCTGACCAA
GAAGAACAATCCACCCAGATCTAGACTCAGGTCACCTCCTGAAGCCCTCGTTCAGGGT
CGATATCCCCACATCAAGGACGGTGAGGATCTTAAAGACCACTCAACAGAAAAGTAAAAA
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ACAGATGCTTCGGGCAAAAATAGAGAAATATAATGTTCCGCTGAACAGGCTTAAGATGATG
TTTGAGAAAGGTGAACCAACTCAAATAAGATTCTCCGGGCCAAAGCCGAAGTGCAAGT
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TTGTCATCTTCTACATTTGACTCGGAGAAAAATGAGAGTAGACGAAATCTGGAATTCCA
CGCTCTCAGAAACCTCTATAAAGGATCGAATGGCCAAGTACCAGGCAGCTGTGTCCAAA
CAAAGCAGCTCAACCAACTATACAAATGAGCTGAAAGCCAGTGGTGGCGAAAATCAAAATT
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AACAAACAACCTCAGTCTAGGAACATATGCATCTTTACATGGAAGAATCTATTGTAAGCCT
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GAACCCAAAGTCTCTGAATTGGTCGAGTTTTGTAGACAACACCTTTGCTGAAGAATCACT
ACTCAGAATCAGAAATCCAGGATGTGGAACCTGAGGAGGAGAAGTGGTCAAAGAGCTC
TCTGTGGAAGAACAGATAAAGAGAAATCGGTATTATGATGAGGATGAGGATGAAGAGTGA
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Clone variation with respect to NM_016357.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016357 unedited
 GTCGGGATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGAGACAAGATG
 GAATCATCTCCATTTAATAGACGGCAATGGACCTCACTATCATTGAGGGTAACAGCCAAA
 GAACCTTTCTTTGTCAACAAGAACAAGTCATCGGCTATTGTGGAAATATTCTCCAAGTAC
 CAGAAAGCAGCTGAAGAAACAACATGGAGAAGAAGAGAAGTAACACCGAAAAATCTCTCC
 CAGCAGCTTTAGAAAGGGGACCCCTGACTGTGTTAAAGAAGAAGTGGGAGAACCCAGGGCTG
 GGAGCAGAGTCTCACACAGACTCTCTACGGAACAGCAGCACTGAGATTAGGCACAGAGCA
 GACCATCCTCCTGCTGAAGTGACAAGCCACGCTGCTTCTGGAGCCAAAGCTGACCAAGAA
 GAACAAATCCACCCAGATCTAGACTCAGGTACCTCCTGAAGCCCTCGTTCAGGGTCGA
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 GAGAAAGTGAACCAACTCANACTAAGATTCTCCGGGCCCAAAGCCGAAGTGCAAGTGA
 AGGAAGATCTCTNGANACAGCTATTCTCTAGATGACCTGGNAATANGCCCCAGTCAGNTG
 TCATCTTCTACATTTGACTCGGAGAAAAATGAGAGTAGACGAAATCTGGAACTTCCACGC
 CTCTCAGAACCTCTATAAAGATCGAATGGCCAGTACCAGCAGCTGTGTCCAAACAAGCAG
 CTAACCACTATACCAATGACCTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016357 unedited
 CGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGATTTAAAAAGGAATTCT
 TTTCCAAAAGTTACTTCCAAGTAAATTACATTTTCATGCTGGGATACCTGCTTATGTGCATC
 ACATTTTGACAAAAGGGCAGTGGCTCGCTAACACTAACATGAATTTAAGGCCCAGCATCAT
 TGCAATTTGTCACTCTTCATCCTCATCCTATCATAATACCGATTCTCTTTATCTGTTC
 TTCCACAGAGAGCTCTTTGACCCTTCTCCCTCCAGAGTTCCACATCCTGGGATTTCTG
 ATTCTGAGTAGTGAATCTTCAGCAAAGGTGTTGTCTACAAAACCTCGACCAATTCAGAGA
 CTTGGGTTCTTGTGGAGATTGTTGTTGAGGAAGCTGTTATCATCTTCATCGGAGTCTGC
 ACCATTTTCTACAAGATTCTCATTCTCCATCTCCAAACTATGACCTTCTTACTTCTCTT
 CCCTGTCTCTCCTTTAGATTCTTTGTTTGGCCAGGTTGTTTTCCACATTCCCATTCTT
 CTTAGAAGCCTTGGCATTTCACCTTGTTCCTTCTGCAACTCTCCACCCACAGACTC
 TTCACTTGCTCTGACATGCTCCAGCCTTCTGATAGGTGGGACACAGTTTTTTGGGCT
 CTTGACAGANGTCTNTGAAATGAAGCTGCTACAGTGAATGGGGCGCTTCTTTCCTTCAG
 TGAAGAAGATCGTCTTAGCTTCTCAGATCTAGATCGACATCCTCAGGAACTTCGGGCTT
 GCTGATTTCTGCTTCAGGAGCCATTTNNGGCTTGACATTNTGATCCCTTCTNCANNGCAC
 TNNCTGACTNNCAGTTCAGTGGNGGTGGCCAGGCGATCCTCACTTCTGGNTCAGCTGGCT
 GCTTCTCTCTGCGAAAGAGGCCTGCTTCATACTGANNCAGAACCACTACAA

Restriction Sites:

NotI-NotI

ACCN:

NM_016357

Insert Size:

2360 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_016357.3](#), [NP_057441.1](#)

RefSeq Size: 3664 bp

RefSeq ORF: 2280 bp

Locus ID: 51474

UniProt ID: [Q9UHB6](#)

Cytogenetics: 12q13.12

Domains: LIM

Gene Summary: This gene encodes a cytoskeleton-associated protein that inhibits actin filament depolymerization and cross-links filaments in bundles. It is downregulated in some cancer cell lines. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and expression of some of the variants maybe independently regulated. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site at an internal coding exon compared to variant 1. This results in an isoform (2, also known as EPLIN-beta) that is 1 aa shorter than isoform 1.