

Product datasheet for **RC226008**

EPLIN (LIMA1) (NM_001113547) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPLIN (LIMA1) (NM_001113547) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPLIN
Synonyms:	EPLIN; LDLCQ8; SREBP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC226008 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAATTGTCTAGGAGAATCCAGGCATGAAGTAGAAAAATCAGAAATCAGTAAAACACAGATGCTT
 CGGGCAAAATAGAGAAATATAATGTTCCGCTGAACAGGCTTAAGATGATGTTTGAGAAAGGTGAACCAAC
 TCAAATAAGATTCTCCGGGCCAAAGCCGAAAGTGAAGTGAAGGAAGATCTCTGAAAAACGCTATTCT
 CTAGATGACCTGGAAATAGGCCAGGTCAGTTGTCATCTTCTACATTTGACTCGGAGAAAAATGAGAGTA
 GACGAAATCTGGAATTCACGCCTCTCAGAACTCTATAAAGGATCGAATGGCCAAGTACCAGGCAGC
 TGTGTCCAAACAAAGCAGCTCAACCACTATACAATGAGCTGAAAGCCAGTGGTGGCGAAATCAAATT
 CATAAAATGGAGCAAAGGAGAATGTGCCCCAGGTCCTGAGGTCTGCATCACCCATCAGGAAGGGGAAA
 AGATTTCTGCAAATGAGAATAGCCTGGCAGTCCGTTCCACCCCTGCCGAAGATGACTCCCAGGTGACTC
 CCAGGTTAAGAGTGAGGTTCAACAGCCTGTCCATCCCAAGCCACTAAGTCCAGATTCCAGAGCCTCCAGT
 CTTTCTGAAAGTTCTCCTCCCAAAGCAATGAAGAAGTTTCAGGCACCTGCAAGAGAGACCTGCGTGGAA
 GTCAGAAGACAGTCTATCCAATGGAGCGTCTCTTGGCCAACCAGCAGGTGTTTCACATCAGCTGTTCCG
 TTGCTCCTATTGCAACAACAACTCAGTCTAGGAACATATGCATCTTTACATGGAAGAATCTATTGTAAG
 CCTCACTTCAATCAACTCTTTAAATCTAAGGGCAACTATGATGAAGGCTTTGGGCACAGACCACACAAGG
 ATCTATGGGCAAGCAAAATGAAACGAAGAGATTTTGGAGAGACCAGCCAGCTTGCAATGCAAGGGA
 GACCCCTCACAGCCAGGGTGAAGATGCCCTATTGCTAAGGTGGGTGCTTGGCTGCAAGTATGGAA
 GCCAAGGCTCCTCTCAGCAGGAGAAGGAAGACAAGCCAGCTGAAACCAAGAAGCTGAGGATCCCTGGC
 CACCCCACTGAACTTGAAGTTCAGGAAGTGCCTTGGAGGAAGGGATCAAAATGTCAAAGCCAAATG
 GCCTCCTGAAGACGAAATCAGCAAGCCGAAAGTTCCTGAGGATGTCGATCTAGATCTGAAGAAGCTAAGA
 CGATCTTCTTCACTGAAGGAAAGAGCCGCCATTCACTGTAGCAGCTTCATTTCAAAGCACCTCTGTCA
 AGAGCCAAAAACTGTGTCCCACTATCAGGAAAGGCTGGAGCATGTCAGAGCAGAGTGAAGAGTCTGT
 GGGTGAAGAGTTGCAGAAAGGAAACAAGTGGAAATGCCAAGGCTTCTAAGAAGAATGGGAATGTGGGA
 AAAACAACCTGGCAAAACAAGAATCTAAAGGAGAGACAGGGAAGAGAAGTAAGGAAGGTGATGTTTGG
 AGATGGAGAATGAGAATCTGTAGAAAAATGGTGCAGACTCCGATGAAGATGATAACAGCTTCTCAAACA
 ACAATCTCCACAAGAACCAAGTCTCTGAATTGGTCGAGTTTGTAGACAACACCTTTGCTGAAGAATTC
 ACTACTCAGAATCAGAAATCCCAGGATGTGGAAGTCTGGGAGGGAGAAGTGGTCAAAGAGCTCTCTGTGG
 AAGAACAGATAAAGAGAAATCGGTATTATGATGAGGATGAGGATGAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226008 protein sequence
 Red=Cloning site Green=Tags(s)

MENCLGESRHEVEKSEISENTDASGKIEKYNVPLNRLKMMFEKGEPTQTKILRAQSRASGRKISENSYS
 LDDLEIGPGQLSSSTFDSEKNESRRNLELPRLETSIKDRMAKYQAAVSKQSSSTNYTNELKASGGEIKI
 HKMEQKENVPPGPEVCITHQEGEKISANENSLAVRSTPAEDDSPGDSQVKSEVQQPVHPKPLSPDSRASS
 LSESSPKAMKKFQAPARETCVECQKTVYPMERLLANQQVFHISCFRCSYCNKLSLGTIASLHGRIYCK
 PHFNQLFKSKGNYDEGFHRPHKDLWASKNENEEILERPAQLANARETPHSPGVEDAPIAKVGLAASME
 AKASSQEKEDKPAETKKLRIAWPPTELGSSGSAL EEGIKMSKPKWPPEDEISKPEVPEDVDLCLKLR
 RSSSLKERSRPFVAAASFQSTS VKSPKTVSPPIRKGWSMSEQSEESVGGRAERKQVENAKASKKNGNVG
 KTTWQNKESKGETGKRSKEGHSLEMENENLVENGADSDDEDDNSFLKQSQSPQEPKSLNWSSFVDNTFAEEF
 TTQNQKSQDVELWEGEVVKELSVEEQIKRNRYYDEDEDEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001113547

ORF Size: 1800 bp

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: [NM_001113547.2](#)

RefSeq Size: 3629 bp

RefSeq ORF: 1803 bp

Locus ID: 51474

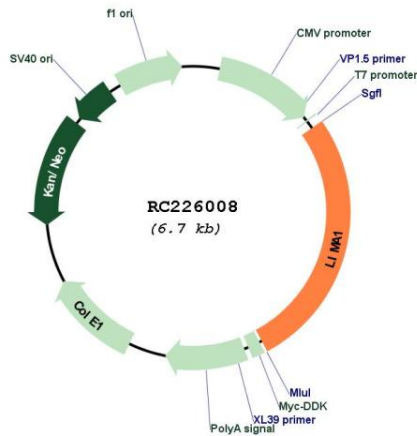
UniProt ID: [Q9UHB6](#)

Cytogenetics: 12q13.12

MW: 67.1 kDa

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]

Product images:



Circular map for RC226008