

Product datasheet for **RC232779**

EPLIN (LIMA1) (NM_001243775) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPLIN (LIMA1) (NM_001243775) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIMA1
Synonyms:	EPLIN; LDLCQ8; SREBP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232779 representing NM_001243775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAAAAGGAGAATGTGCCCCAGGTCTGAGGTCTGCATCACCCATCAGGAAGGGGAAAAGATT
 CTGCAAAATGAGAATAGCCTGGCAGTCCGTTCCACCCTGCCGAAGATGACTCCCGTACTCCAGGTTAA
 GAGTGAGGTTCAACAGCCTGTCCATCCCAAGCCACTAAGTCCAGATTCCAGAGCCTCCAGCTTTTCTGAA
 AGTTCTCTCCCAAAGCAATGAAGAAGTTTCAGGCACCTGCAAGAGAGACCTGCGTGGAAATGTCAGAAGA
 CAGTCTATCCAATGGAGCGTCTCTGGCCAACCAGCAGGTGTTTCACATCAGCTGCTTCCGTTGCTCCTA
 TTGCAACAACAACTCAGTCTAGGAACATATGCATCTTTACATGGAAGAATCTATTGTAAGCCTCACTTC
 AATCAACTCTTTAAATCTAAGGGCAACTATGATGAAGGCTTTGGGCACAGACCACACAAGGATCTATGGG
 CAAGCAAAAATGAAAACGAAGAGATTTGGAGAGACCAGCCAGCTTGCAAAATGCAAGGGAGACCCCTCA
 CAGCCCAGGGGTAGAAGATGCCCTATTGCTAAGGTGGGTGTCTGGCTGCAAGTATGGAAGCCAAGGCC
 TCCTCTCAGCAGGAGAAGGAAGACAAGCCAGCTGAAACCAAGAAGCTGAGGATCGCTGGCCACCCCCCA
 CTGAACCTTGAAGTTCAGGAAGTGCCTTGAGGGAAGGGATCAAAATGTCAAAGCCAAATGGCCTCTGA
 AGACGAAATCAGCAAGCCGAAGTTCCTGAGGATGTCGATCTAGATCTGAAGAAGCTAAGACGATCTTCT
 TCACTGAAGGAAAGAAGCCGCCATTCACTGTAGCAGCTTCATTTCAAAGCACCTCTGTCAAAGGCCCAA
 AAATGTGTCCCCACCTATCAGGAAAGGCTGGAGCATGTCAGAGCAGAGTGAAGAGTCTGTGGGTGGAAG
 AGTTGCAGAAAGGAAACAAGTGGAAAATGCCAAGGCTTCTAAGAAGAATGGGAATGTGGGAAAAACAACC
 TGGCAAAAACAAGAATCTAAAGGAGAGACAGGGAAGAGAAGTAAAGGAAGTTCATAGTTTGGAGATGGAGA
 ATGAGAACTTTGTAGAAAATGGTGCAGACTCCGATGAAGATGATAACAGCTTCTCAAACAACAATCTCC
 ACAAGAACCCAAGTCTCTGAATTGGTCGAGTTTTGTAGACAACACCTTTGCTGAAGAATTCACTACTCAG
 AATCAGAAAATCCAGGATGTGGAACCTCTGGGAGGAGAAGTGGTCAAAGAGCTCTCTGTGGAAGAACAGA
 TAAAGAGAAATCGGTATTATGATGAGGATGAGGATGAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232779 representing NM_001243775
 Red=Cloning site Green=Tags(s)

MEQKENVPPGPEVCITHQEGEKISANENSLAVRSTPAEDDSRDSQVKSEVQQPVHPKPLSPDSRASSLSE
 SSPPKAMKKFQAPARETCVECQKTVYPMERLLANQQVFHISCFRCSYCNKLSLGTYASLHGRIYCKPHF
 NQLFKSKGNYDEFGHRPHKDLWASKNENEEILERPAQLANARETPHSPGVEDAPIAKVGVLAASMEAKA
 SSQQEKEDKPAETKKLRIAWPPPELGGSSGSALEEGIKMSKPKWPEDEISKPEVPEDVDLKLRRSS
 SLKERSRPFVAAASFQSTSVKSPKTVSPPIRKGWSMSEQSEESVGGRVAERKQVENAKASKKNGNVGKTT
 WQNKESKGETGKRSKEGHSLEMENENLVENGADSDDEDNSFLKQQSPQEPKSLNWSFVDNTFAEEFTTQ
 NQKSQDVELWEGEVVKELSVEEQIKRNRYYDEDEDEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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_001243775.1](#), [NP_001230704.1](#)

RefSeq Size: 3356 bp

RefSeq ORF: 1374 bp

Locus ID: 51474

UniProt ID: [Q9UHB6](#)

Cytogenetics: 12q13.12

MW: 51.7 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]