

Product datasheet for **RG226148**

EPLIN (LIMA1) (NM_001113546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPLIN (LIMA1) (NM_001113546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIMA1
Synonyms:	EPLIN; LDLCQ8; SREBP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226148 representing NM_001113546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATCATCTCCATTTAATAGACGGCAATGGACCTCACTATCATTGAGGGTAACAGCCAAAGAACTTT
 CTCTTGTCACAAAGAACAAGTCATCGGCTATTGTGGAAATATTCTCCAAGTACCAGAAAGCAGCTGAAGA
 AACAAACATGGAGAAGAAGAGAAGTAACACCGAAAATCTCTCCAGCACTTTAGAAAGGGGACCCCTGACT
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 GCACTGAGATTAGGCACAGAGCAGACCATCCTCCTGCTGAAGTGACAAGCCACGCTGCTTCTGGAGCCAA
 AGCTGACCAAGAAGAACAATCCACCCAGATCTAGACTCAGGTCACCTCCTGAAGCCCTCGTTCAGGGT
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 ATTCTCCGGGCCAAAGCCGAAGTGCAAGTGGAAGGAAGATCTCTGAAAAAGCTATTCTCTAGATGACC
 TGGAAATAGGCCAGGTCAGTTGTCATCTTCTACATTTGACTCGGAGAAAAATGAGAGTAGACGAAATCT
 GGAATCTCACGCCTCTCAGAAACCTCTATAAAGGATCGAATGGCCAAGTACCAGGCAGCTGTGTCCAAA
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 AGTGAGGTTCAACAGCCTGTCCATCCCAAGCCACTAAGTCCAGATTCCAGAGCCTCCAGTCTTTCTGAAA
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 CAAGAACCAAGTCTCTGAATTGGTCGAGTTTTGTAGACAACACCTTTGCTGAAGAATTCACTACTCAGA
 ATCAGAAAATCCCAGGATGTGAACTCTGGGAGGGAGAAGTGGTCAAAGAGCTCTCTGTGGAAGAACAGAT
 AAAGAGAAATCGGTATTATGATGAGGATGAGGATGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226148 representing NM_001113546
 Red=Cloning site Green=Tags(s)

MESSPFNRRQWTSLSLRVTAKELSLVNKNKSSAIVEIFSKYQKAAEETNMEKKRSNTENLSQHFRKGLT
 VLKKKWENPGLGAESHTDSLNRNSSTEIRHRADHPPAEVTSHAASGAKADQEEQIHPPSRRLRSPPEALVQG
 RYPHIKDGEDLDKDHSTESKKMENCLGESRHEVEKSEISENTDASGKIEKYNVPLNRLKMMFEKGEPTQTK
 ILRAQSRASGRKISENSYSLDDLEIGPQLSSSTFDSEKNESRRNLELPRLSETSIKDRMAKYQAAVSK
 QSSSTNYTNELKASGGEIKIHKMEQKENVPPGPEVCITHQEGEKISANENSLAVRSTPAEDDSPGDSQVK
 SEVQQPVHPKPLSPDSRASSLSESSPPKAMKKFQAPARETCVECQKTVYPMERLLANQQVFHISCFRCSY
 CNNKLSLGTYASLHGRIYCKPHFNQLFKSKGNYDEGFGHRPHKDLWASKNENEEILERPAQLANARETPH
 SPGVEDAPIAKVGVLAASMEAKASSQEQEKEDKPAETKCLRIAWPPPTELGSSGSALEEGIKMSKPKWPPE
 DEISKPEVPEDVDLDLKKLRRSSSLKERSRPFVAASFQSTSVKSPKTVSPPIRKGWSMSEQSEESVGG
 VAERKQVENAKASKKNGVNGKTTWQNKESKGETGKRSKEGHSLEMENENLVENGADSDDDNSFLKQQSP
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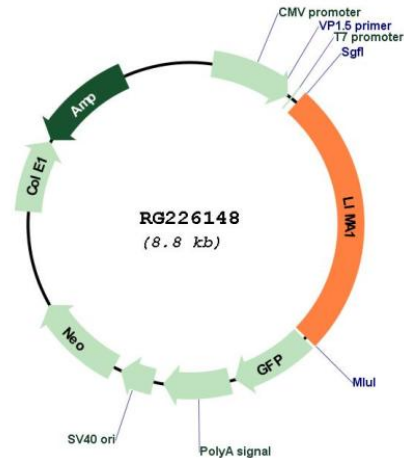
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001113546

ORF Size: 2280 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_001113546.2](#)

RefSeq Size: 3748 bp

RefSeq ORF: 2283 bp

Locus ID: 51474

UniProt ID: [Q9UHB6](#)

Cytogenetics: 12q13.12

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]