

## Product datasheet for **RG232779**

### **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:	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:**

>RG232779 representing NM\_001243775  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCAAAAGGAGAATGTGCCCCAGGTCTGAGGTCTGCATCACCCATCAGGAAGGGGAAAAGATTT  
 CTGCAAAATGAGAATAGCCTGGCAGTCCGTTCCACCCTGCCGAAGATGACTCCCGTGAATCCAGGTTAA  
 GAGTGAGGTTCAACAGCCTGTCCATCCCAAGCCACTAAGTCCAGATTCCAGAGCCTCCAGTCTTTCTGAA  
 AGTTCTCTCCAAAGCAATGAAGAAGTTTCAGGCACCTGCAAGAGAGACCTGCGTGGAATGTCAGAAGA  
 CAGTCTATCCAATGGAGCGTCTCTGGCCAACCAGCAGGTGTTTCACATCAGCTGCTTCCGTTGCTCCTA  
 TTGCAACAACAACTCAGTCTAGGAACATATGCATCTTTACATGGAAGAATCTATTGTAAGCCTCACTTC  
 AATCAACTCTTTAAATCTAAGGGCAACTATGATGAAGGCTTTGGGCACAGACCACACAAGGATCTATGGG  
 CAAGCAAAAATGAAAACGAAGAGATTTGGAGAGACCAGCCAGCTTGCAAAATGCAAGGGAGACCCCTCA  
 CAGCCCAGGGGTAGAAGATGCCCTATTGCTAAGGTGGGTGTCTGGCTGCAAGTATGGAAGCCAAGGCC  
 TCCTCTCAGCAGGAGAAGGAAGCAAGCCAGCTGAAACCAAGAAGCTGAGGATCGCTGGCCACCCCCCA  
 CTGAACCTTGAAGTTCAGGAAGTGCCTTGAGGGAAGGGATCAAAATGTCAAAGCCAAATGGCCTCTGA  
 AGACGAAATCAGCAAGCCGAAGTTCCTGAGGATGTCGATCTAGATCTGAAGAAGCTAAGACGATCTTCT  
 TCACTGAAGGAAAGAAGCCGCCATTCACTGTAGCAGCTTCATTTCAAAGCACCTCTGTCAAAGGCCAA  
 AAATGTGTCCCCACCTATCAGGAAAGGCTGGAGCATGTGAGAGCAGAGTGAAGAGTCTGTGGGTGGAAG  
 AGTTGCAGAAAGGAAACAAGTGGAAAATGCCAAGGCTTCTAAGAAGAATGGGAATGTGGGAAAAACAAC  
 TGGCAAAAACAAGAATCTAAGGAGAGACAGGGAAGAGAAGTAAAGGAAGTCAAGTATTTGGAGATGGAGA  
 ATGAGAAATCTTTAGAAAATGGTGCAGACTCCGATGAAGATGATAACAGCTTCTCAAACAACAATCTCC  
 ACAAGAACCCAAGTCTCTGAATTTGGTTCGAGTTTTGTAGACAACACCTTTGCTGAAGAATCACTACTCAG  
 AATCAGAAATCCAGGATGTGGAACCTCTGGGAGGAGAAGTGGTCAAAGGCTCTCTGTGGAAGAACAGA  
 TAAAGAGAAATCGGTATTATGATGAGGATGAGGATGAAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG232779 representing NM\_001243775  
 Red=Cloning site Green=Tags(s)

MEQKENVPPGPEVCITHQEKEKISANENSLAVRSTPAEDDSRDSQVKSEVQQPVHPKPLSPDSRASSLSE  
 SSPPKAMKFFQAPARETCVECQKTVYPMERLLANQQVFHISCFRCSYCNKL SLGTYASLHGRIYCKPHF  
 NQLFKSKGNYDEFGHRPHKDLWASKNENEEILERPAQLANARETPHSPGVEDAPIAKVGVLAASMEAKA  
 SSQQEKEDKPAETKKLRIAWPPPTELGSSGSALEEGIKMSKPKWPPPEDEISKPEVPEDVDLCLKLRSS  
 SLKERSRPFTVAASFQSTSVKSPKTVSPPIRKGWSMSEQSEESVGGGRVAERKQVENAKASKKNGNVGKTT  
 WQNKESKGETGKRSKEGHSLEMENENLVENGADSDDDNSFLKQQSPQEPKSLNWSFVDNTFAEEFTTQ  
 NQKSQDVELWEGEVVKELSVVEEQIKRNRYYDEDEDEE

**TRTRPLE** - GFP Tag - V

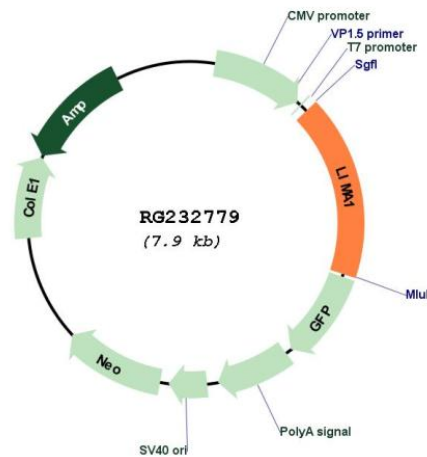
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001243775

ORF Size: 1371 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001243775.1, NP_001230704.1</u>
<b>RefSeq Size:</b>	3356 bp
<b>RefSeq ORF:</b>	1374 bp
<b>Locus ID:</b>	51474
<b>UniProt ID:</b>	<u>Q9UHB6</u>
<b>Cytogenetics:</b>	12q13.12
<b>Gene Summary:</b>	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]