

## Product datasheet for RC216290

### LCEIB (NM\_178349) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids

**Tag:** Myc-DDK

**Symbol:** LCEIB

**Synonyms:** LEP2; SPRL2A

**Mammalian Cell Selection:** Neomycin

**Vector:** pCMV6-Entry (PS10001)

**E. coli Selection:** Kanamycin (25 ug/mL)

**ORF Nucleotide Sequence:** >RC216290 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCCTGCCAGCAGAACCAGCAGCAGTGCCAGCCCCCTCCAAGTGCATCCCCAAGTGCCCTCCAAGT  
GCCTACCCCTAGATGCCCCCAAAGTGTCCCCCTAAGTGTCTCCAGTCTCTTCTGCTGCAGTGTGAG  
CTCCGGAGGCTGCTGTGGCTCCAGCTCTGGGGGAAGCTGTGGCTCCAGCTCTGGGGTTGCTGCAGTTCT  
GGGGGAGGTGGCTGCTGCCTGAGCCACCACAGGCGCCGTAGTCCCACTGCCACAGACCCAGAGCTCTG  
GCTGCTGCAGCCAGCCCTCCGGGGCTCCAGCTGCTGTGGAGGAGGAGTGGCCAGCACTCTGGAGGCTG  
CTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216290 protein sequence  
Red=Cloning site Green=Tags(s)

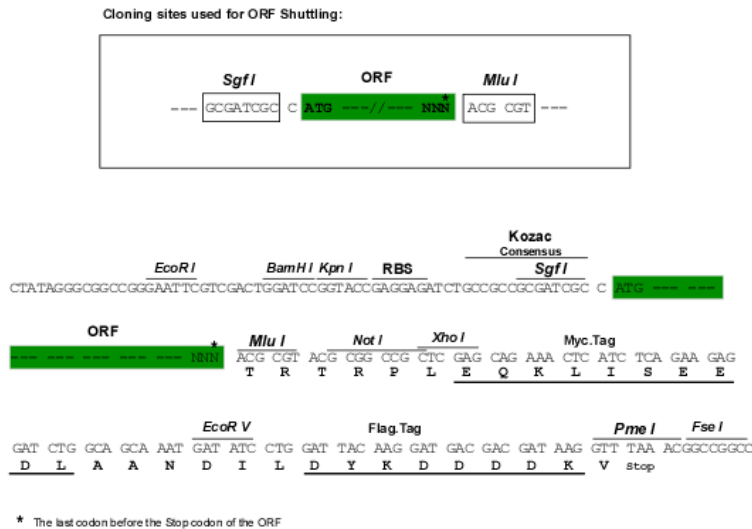
MSCQQNQQCQPPPKCIPKCPPKCLTPRCPPKCPPKPPVSSCCSVSSGGCCGSSSGGSCGSSSGGCCSS  
GGGGCLSHHRRRSHCHRPQSSGCCSQPSGGSSCCGGSGQHSGGCC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6446\\_h08.zip](https://cdn.origene.com/chromatograms/mk6446_h08.zip)

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_178349

**ORF Size:** 354 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).

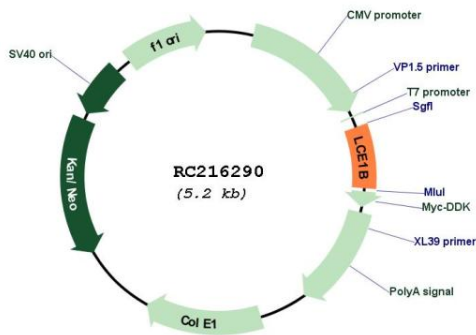
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

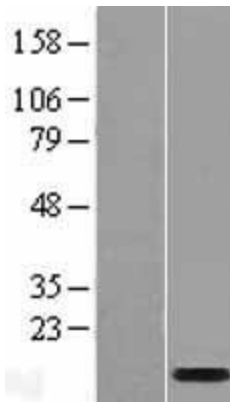
**RefSeq:** [NM\\_178349.2](#)

<b>RefSeq Size:</b>	1197 bp
<b>RefSeq ORF:</b>	357 bp
<b>Locus ID:</b>	353132
<b>UniProt ID:</b>	<u><a href="#">Q5T7P3</a></u>
<b>Cytogenetics:</b>	1q21.3
<b>MW:</b>	11.6 kDa
<b>Gene Summary:</b>	Precursors of the cornified envelope of the stratum corneum.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC216290



Western blot validation of overexpression lysate (Cat# [LY405974]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216290 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).