

## Product datasheet for **RG221967**

### **LCE3C (NM\_178434) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: LCE3C (NM\_178434) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: LCE3C  
 Synonyms: LEP15; SPRL3A  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >RG221967 representing NM\_178434  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCTGCCAGCAAACCAGCAGCAGTGCCAGCCCCCTCCAGTTGTCCCTCACCCAAGTGCCCCAA  
 AGAGCCCAGCACAGTGTCTGCCTCCACCCTCTTCTGACTGTGCTCTAAGCTCCGGGGGCTGTGGCCCCAG  
 TTCTGAAAGTGGCTGCTGCCTGAGCCACCACAGGCACTTCAGGTCCCATCAATGCCGGCGCCAGAGATCC  
 AACTCCTGTGACAGGGGAGTGGTCAGCAAGCGGGGCTCCTGCCGTGCCATGGCTCTGGGGGCTGCT  
 GC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221967 representing NM\_178434  
 Red=Cloning site Green=Tags(s)

MSCQNNQQCQPPSPKCPKPPSPAQCLPPSSDCALSSGGCGPSSSGCCLSHHRHFRSHQCRQRQS  
 NSCDRSGGQGGGSCRGHGSGGCC

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_178434

ORF Size: 282 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:

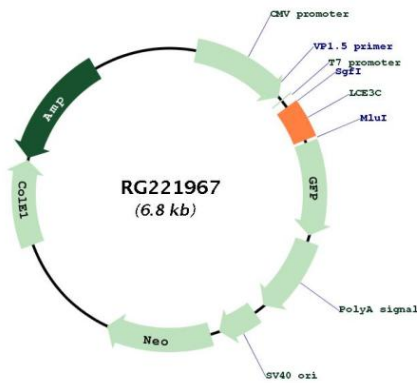
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_178434.3](#)

RefSeq Size:	285 bp
RefSeq ORF:	285 bp
Locus ID:	353144
UniProt ID:	<a href="#">Q5T5A8</a>
Cytogenetics:	1q21.3
Gene Summary:	A structural component of the cornified envelope of the stratum corneum involved in innate cutaneous host defense (Probable). Possesses defensin-like antimicrobial activity against a broad spectrum of Gram-positive and Gram-negative bacteria, both aerobic and anaerobic species. Upon inflammation, may regulate skin barrier repair by shaping cutaneous microbiota composition and immune response to bacterial antigens (PubMed:28634035). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG221967