

## Product datasheet for **RG219058**

### LCE2B (NM\_014357) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LCE2B (NM\_014357) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LCE2B  
**Synonyms:** LEP10; SPRL1B; XP5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG219058 representing NM\_014357  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTTGCCAGCAAACCAGCAGCAGTGCCAGCCCCCTCCCAAGTGCCTCCCAAGGTACCCAAAAT  
 GTCCACCTAAGTGTCCCCCTAAATGCCTGCCCCAGTGCCAGCTCCATGTTCCCTGCAGTCTTCTTG  
 CTGTGGTCCCATCTGGGGCTGCTGTGGTCCCAGCTCTGGGGCTGCTGCAACTCTGGGGCTGGTGGC  
 TGCTGCCTGAGCCACCACAGGCCCGTCTTCCACCGCGCCGGCACCAGAGCCCCGACTGCTGTGAGA  
 GTGAACCTTCTGGGGCTCTGGCTGCTGCCACAGCTCTGGGGCTGCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG219058 representing NM\_014357  
 Red=Cloning site Green=Tags(s)  
 MSCQQNQQCQPPPKPPKCTPKCPPKPPKCLPQCPAPCSPAVSSCCGPISGGCCGPSSGGCCNSGAGG  
 CCLSHRPRLFHRRRHQSPDCESEPSGGSGCCHSSGGCC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

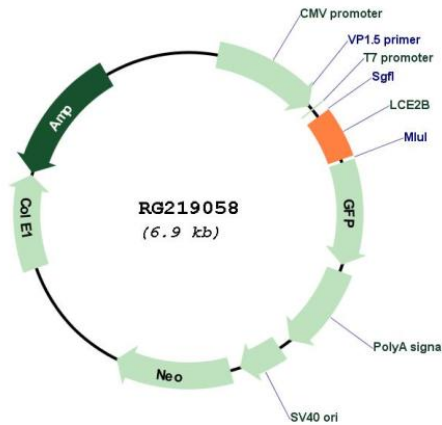


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_014357

ORF Size: 330 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](#)

<b>OTI Annotation:</b>	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><a href="#">NM_014357.5</a></u>
<b>RefSeq Size:</b>	619 bp
<b>RefSeq ORF:</b>	333 bp
<b>Locus ID:</b>	26239
<b>UniProt ID:</b>	<u><a href="#">O14633</a></u>
<b>Cytogenetics:</b>	1q21.3
<b>Gene Summary:</b>	This gene is one of the at least 20 genes expressed during epidermal differentiation and located on chromosomal band 1q21. This gene is involved in epidermal differentiation, and it is expressed at high levels in normal and psoriatic skin, but not in cultured keratinocytes or in any other tested cell types or tissues. [provided by RefSeq, Jul 2008]