

## Product datasheet for **SC307176**

### LCE3B (NM\_178433) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LCE3B (NM_178433) Human Untagged Clone
Tag:	Tag Free
Symbol:	LCE3B
Synonyms:	LEP14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307176 representing NM_178433. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
ATGTCCTGCCAGCAGAACCAGCAGCAGTGCCAGCCTCTGCCAAGTGCCCTCACCCAAGTGCCCCCA  
AAGAGCTCAGCACAGTGTCTGCCTCCAGCCTCCTCCTGTGTGCTCCAAGACCTGGGTGCTGTGGTGGC  
CCCAGCTCTGAGGGCGGCTGCTGCCTGAGCCACCACAGGTGCTGCAGGTCCCACCGATGCCGGCGCCAG  
AGCTCCAACCTCTGTGACAGAGGCAGTGGTCAGCAAGATGGTGCCTCCGACTGTGGCTATGGCTCTGGA  
GGCTGCTGCTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_178433
Insert Size:	288 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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<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_178433.1</u>
<b>RefSeq Size:</b>	288 bp
<b>RefSeq ORF:</b>	288 bp
<b>Locus ID:</b>	353143
<b>UniProt ID:</b>	<u>Q5TA77</u>
<b>Cytogenetics:</b>	1q21.3
<b>MW:</b>	9.8 kDa
<b>Gene Summary:</b>	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]