

Datasheet for ABIN4927913

## Human LCE1A ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	LCE1A
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human LCE1A with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	333 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGTCCTGCC AGCAGAGCCA GCAGCAGTGC CAGCCCCCTC CCAAGTGCAC CCCCAAGTGC            CCTCCCAAGT GCCCCACTCC TAAGTGCCCC CCAAAGTGTC CCCCTAAGTG CCCTCCAGTC            TCTTCCTGCT GCAGTGTGAG CTCCGGAGGC TGCTGTGGCT CCAGCTCTGG GGGCGGCTGC            AGCTCTGGGG GAGGTGGCTG CTGCCTGAGC CACCACAGGC GCCACAGGTC CCACCGTCAC            AGACTCCAGA GCTCTGGCTG CTGCAGCCAG CCCTCGGGAG GCTCCAGCTG CTGTGGAGGG</p>

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

## Product Details

---

GACAGCGGCC AGCACTCTGG AGGCTGCTGC TGA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

---

Gene: LCE1A

Alternative Name: LCE1A ([LCE1A Products](#))

Background: LCE1A belongs to the late cornified envelope (LCE) gene cluster within the epidermal differentiation complex (EDC) on chromosome 1. The LCE cluster contains multiple conserved genes that encode stratum corneum proteins, and these genes are expressed relatively late during fetal assembly of the skin cornified envelope (Jackson et al., 2005 [PubMed 15854049]). For further information on the LCE gene cluster, see GENE FAMILY below.[supplied by OMIM, Feb 2009].

Gene ID: 353131

NCBI Accession: [NM\\_178348](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment: 

- Keep the vial sealed and store at -20°C for long-term storage.

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

Page 2/3 | Product datasheet for ABIN4927913 | 09/13/2023 | Copyright antibodies-online. All rights reserved.

## Handling

---

- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

---

Expiry Date: 12 months

## Publications

---

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)