

Product datasheet for RC211021

LCE3D (NM_032563) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LCE3D (NM_032563) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LCE3D
Synonyms: LEP16; SPRL6A; SPRL6B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC211021 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTGCCAGCAGAACCAGCAGCAGTGCCAACCCCAAGTGTCCCTCACCAAGTGTCCCCAA
 AGAGCCCAGTACAGTGTCTGCCTCCAGCTTCTCTGGCTGTGCCCAAGCTCTGGGGTCTGTGGCCCTAG
 CTCCGAGGGCGGCTGCTTCTGAACCACCAGGGCCACCACCGATGCCGGCGCCAGAGGCCAACTCC
 TGTGACAGGGGCAGTGGTCAGCAAGCGGGGGCTCTGGCTGCGGCATGGCTCTGGAGGCTGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211021 protein sequence
 Red=Cloning site Green=Tags(s)
 MSCQQNQQCQPPPKCPSPKCPPKSPVQCLPPASSGCAPSSGVCGPSSEGGCFLNHHRHRCRRQRPNS
 CDRGSGQQGGSGCGHSGGCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6372_h11.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_032563

ORF Size: 276 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.

RefSeq: [NM_032563.1](#), [NP_115952.1](#)

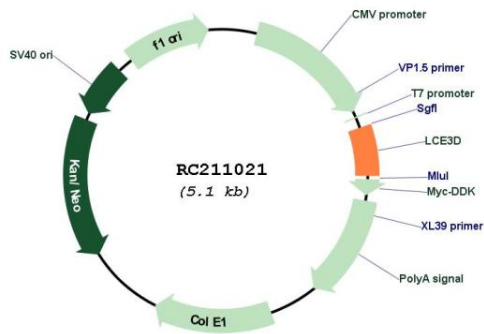
RefSeq Size: 617 bp

RefSeq ORF: 279 bp

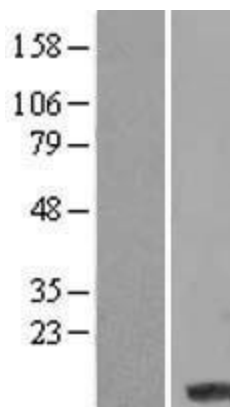
Locus ID: 84648

UniProt ID: [Q9BYE3](#)
 Cytogenetics: 1q21.3
 MW: 9.5 kDa
 Gene Summary: Precursors of the cornified envelope of the stratum corneum.[UniProtKB/Swiss-Prot Function]

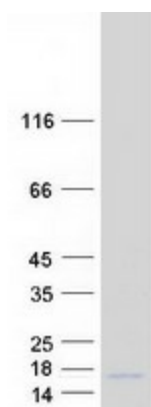
Product images:



Circular map for RC211021



Western blot validation of overexpression lysate (Cat# [LY409998]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211021 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LCE3D protein (Cat# [TP311021]). The protein was produced from HEK293T cells transfected with LCE3D cDNA clone (Cat# RC211021) using MegaTran 2.0 (Cat# [TT210002]).