

Product datasheet for SC307163

LCE1A (NM_178348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LCE1A (NM_178348) Human Untagged Clone
Tag:	Tag Free
Symbol:	LCE1A
Synonyms:	LEP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307163 representing NM_178348. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTCCTGCCAGCAGAGCCAGCAGCAGTGCCAGCCCCCTCCCAAGTGCACCCCAAGTGCCTCCCAAG
 TGCCCCACTCCTAAGTGCCCCCAAAGTGCCCTAAGTGCCCTCCAGTCTCTTCCTGCTGCAGTGTG
 AGCTCCGGAGGCTGCTGTGGCTCCAGCTCTGGGGCGGCTGCAGCTCTGGGGAGGTGGTGTGCTGCTG
 AGCCACCACAGGCGCCACAGGTCCACCGTCACAGACTCCAGAGCTCTGGCTGCTGCAGCCAGCCCTCG
 GGAGGCTCCAGCTGCTGTGGAGGGACAGCGGCCAGCACTCTGGAGGCTGCTGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_178348
Insert Size:	333 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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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:	<ol style="list-style-type: none"> 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:	<u>NM_178348.2</u>
RefSeq Size:	625 bp
RefSeq ORF:	333 bp
Locus ID:	353131
UniProt ID:	<u>Q5T7P2</u>
Cytogenetics:	1q21.3
MW:	11 kDa
Gene Summary:	<p>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]</p>