

Product datasheet for **RG224110**

LCEIC (NM_178351) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: LCEIC
Synonyms: LEP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG224110 representing NM_178351
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTGCCAGCAGAGCCAGCAGCAGTGCCAGCCCCCTCCCAAGTGCACCCCCAAGTGCCCTCCCAAGT
GCCCCACCCCAAAGTGTCCCCCAAAGTGTCCCCCTAAGTGCCCTCCTGTCTCTTCTGCTGCACTGTCAG
CTCCGGAGGCTGCTGTGGCTCCAGCTCTGGGGGAGCTGTGGCTCCAGCTCTGGGGGATGCTGCAGTTCT
GGGGGAGGTGGCTGCTGCCTGAGCCACCAGGCGCCGTAGGTCCCACTGCCACAGACCCAGAGCTCTG
GCTGCTGCAGCCAGCCCTCGGGGGGCTCCAGCTGCTGTGGCGGGGGAGTGCCAGCACTCTGGAGGCTG
CTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224110 representing NM_178351
Red=Cloning site Green=Tags(s)

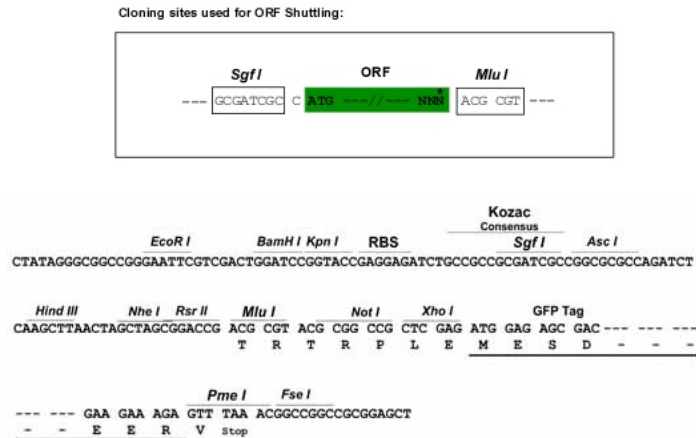
MSCQQSQQQCPPPKCTPKCPPKCTPKCPPKCPPVSSCCSVSSGGCCGSSSGGSCGSSSGGCCSS
GGGGCCLSHRRRRSHCHRPQSSGCCSQPSGGSSCCGGSGQHSGGCC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_178351

ORF Size: 354 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_178351.4

RefSeq Size: 695 bp

RefSeq ORF: 357 bp

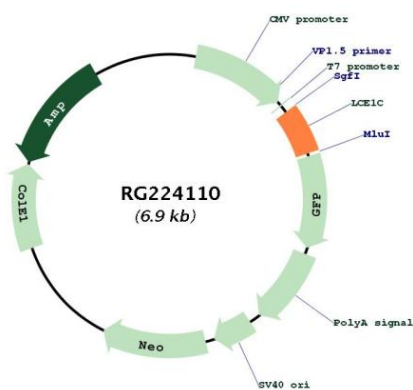
Locus ID: 353133

UniProt ID: Q5T751

Cytogenetics: 1q21.3

Gene Summary: Precursors of the cornified envelope of the stratum corneum.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224110