

## Product datasheet for KN222176RB

# LCE3A Human Gene Knockout Kit (CRISPR)

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** LCE3A Symbol: Locus ID: 353142

**KN222176G1**, LCE3A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN222176G2, LCE3A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN222176RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

> designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: NM 178431 **UniProt ID:** Q5TA76

Synonyms: LEP13

Summary: 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]



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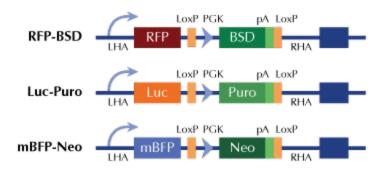
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# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter