

Product datasheet for KN207356BN

OriGene Technologies, Inc.

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LC3B (MAP1LC3B) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: LC3B Locus ID: 81631

Components: KN207356G1, LC3B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207356G2, LC3B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207356BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 022818
UniProt ID: Q9GZQ8

Synonyms: ATG8F; LC3B; MAP1A/1BLC3; MAP1LC3B-a

Summary: The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B

proteins, which are involved in microtubule assembly and important for neurogenesis.

Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves

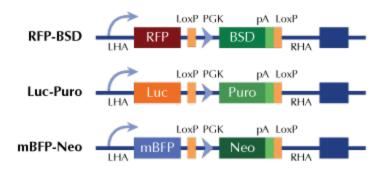
the bulk degradation of cytoplasmic component. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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