

## **Product datasheet for KN221327RB**

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### Snf1lk2 (SIK2) 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:RFP-BSDSymbol:Snf1lk2Locus ID:23235

**Components:** KN221327G1, Snf1lk2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN221327G2, Snf1lk2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221327RBD, 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 015191

 UniProt ID:
 Q9H0K1

Synonyms: LOH11CR1I; QIK; SIK-2; SNF1LK2

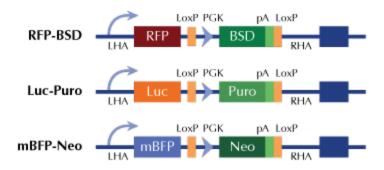
**Summary:** Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the

efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.[UniProtKB/Swiss-Prot Function]



# **Product images:**

### Donor Vector Edited Chromosome



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