

## Product datasheet for KN308417LP

#### OriGene Technologies, Inc.

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### **Irak3 Mouse Gene Knockout Kit (CRISPR)**

#### **Product data:**

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

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: Irak3
Locus ID: 73914

**Components:** KN308417G1, Irak3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN308417G2, Irak3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN308417LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: <u>NM 028679</u>, <u>NR 152856</u>, <u>NM 001359184</u>

UniProt ID: Q8K4B2

**Synonyms:** 4833428C18Rik; Al563835; IRAK-M

**Summary:** Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by

either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.

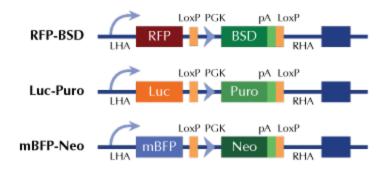
[UniProtKB/Swiss-Prot Function]





# **Product images:**

#### Donor Vector Edited Chromosome



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