

## **Product datasheet for KN310937LP**

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### Nfe2l2 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: Nfe2l2 Locus ID: 18024

**Components:** KN310937G1, Nfe2l2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN310937G2, Nfe2l2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN310937LPD, 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 010902</u>, <u>NR 132727</u>

UniProt ID: Q60795
Synonyms: Nrf2

**Summary:** This gene encodes a transcription factor which is a member of a small family of basic leucine

zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of

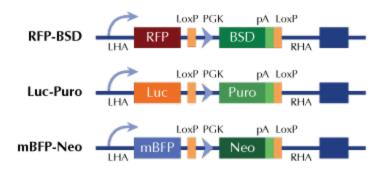
free radicals. [provided by RefSeq, Sep 2015]





# **Product images:**

### Donor Vector Edited Chromosome



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