

## **Product datasheet for KN201537LP**

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### NFIL3 Human 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: NFIL3 Locus ID: 4783

**Components:** KN201537G1, NFIL3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN201537G2**, NFIL3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201537LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001289999</u>, <u>NM 001290000</u>, <u>NM 005384</u>

UniProt ID: Q16649

Synonyms: E4BP4; IL3BP1; NF-IL3A; NFIL3A

**Summary:** The protein encoded by this gene is a transcriptional regulator that binds as a homodimer to

activating transcription factor (ATF) sites in many cellular and viral promoters. The encoded protein represses PER1 and PER2 expression and therefore plays a role in the regulation of circadian rhythm. Three transcript variants encoding the same protein have been found for

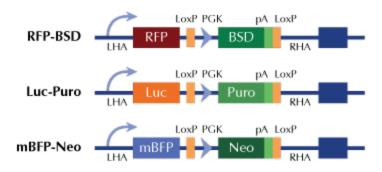
this gene. [provided by RefSeq, Feb 2014]





# **Product images:**

### Donor Vector Edited Chromosome



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