

## Product datasheet for KN201537BN

# NFIL3 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

NFIL3 Symbol: 4783 Locus ID:

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

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

KN201537BND, 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 001289999, NM 001290000, NM 005384

**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]



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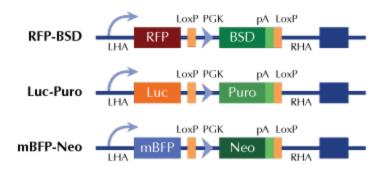
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# **Product images:**

### Donor Vector Edited Chromosome



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