

## Product datasheet for KN204140BN

# Phone: +1-888-267-4436 https://www.origene.com

Rockville, MD 20850, US

techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

### Nrf2 (NFE2L2) 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

Symbol: Nrf2 4780 Locus ID:

**KN204140G1**, Nrf2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN204140G2, Nrf2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204140BND, 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 001145412, NM 001145413, NM 001313900, NM 001313901, NM 001313902,

NM 001313903, NM 001313904, NM 006164

**UniProt ID:** Q16236 NRF2 Synonyms:

**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. Multiple transcript variants encoding different isoforms have been characterized

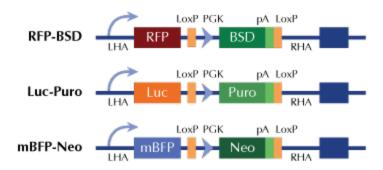
for this gene. [provided by RefSeq, Sep 2015]





# **Product images:**

#### Donor Vector Edited Chromosome



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