

Product datasheet for KN204140BN

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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 Locus ID: 4780

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

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

RefSeq: NM 001145412, NM 001145413, NM 001313900, NM 001313901, NM 001313902,

NM 001313903, NM 001313904, NM 006164

UniProt ID: Q16236
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. Multiple transcript variants encoding different isoforms have been characterized

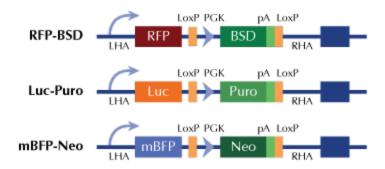
for this gene. [provided by RefSeq, Sep 2015]





Product images:

Donor Vector Edited Chromosome



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