

Product datasheet for KN204140RB

Nrf2 (NFE2L2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR) Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control Donor DNA: **RFP-BSD** Nrf2 Symbol: 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) KN204140RBD, donor DNA containing left and right homologous arms and RFP-BSD 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]

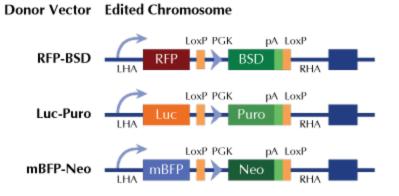


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OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product images:



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

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