

Product datasheet for **KN204140BN**

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
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
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]



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Product images:

