

Product datasheet for KN202189BN

KEAP1 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: KEAP1 Locus ID: 9817

KN202189G1, KEAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN202189G2, KEAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202189BND, 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.

NM 012289, NM 203500 RefSeq:

UniProt ID: Q14145

Synonyms: INrf2; KLHL19

Summary: This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain.

> Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]

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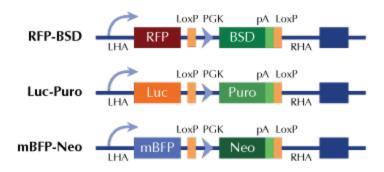
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Product images:

Donor Vector Edited Chromosome



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