

Product datasheet for KN214918BN

KDM5B 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: KDM5B 10765 Locus ID:

KN214918G1, KDM5B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN214918G2, KDM5B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214918BND, 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 006618, NM 001314042, NM 001347591

UniProt ID: Q9UGL1

Synonyms: CT31; JARID1B; PLU-1; PLU1; PPP1R98; PUT1; RBBP2H1A

Summary: This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID

domain-containing family of histone demethylases. The encoded protein is capable of

demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in

certain cancer cells. This protein may also play a role in genome stability and DNA repair. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

the transcriptional repression or certain tumor suppressor genes and is upregulated in



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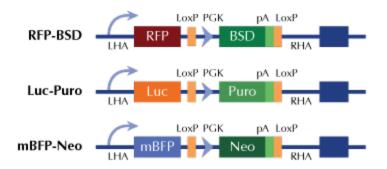
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Product images:

Donor Vector Edited Chromosome



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