

### **Product datasheet for KN221980LP**

# OriGene Technologies, Inc.

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### **KDM1B Human Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: KDM1B Locus ID: 221656

**Components: KN221980G1**, KDM1B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN221980G2**, KDM1B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221980LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: <u>NM 153042</u>, <u>NM 001364614</u>

UniProt ID: Q8NB78

**Synonyms:** AOF1; bA204B7.3; C6orf193; dJ298J15.2; LSD2

**Summary:** Flavin-dependent histone demethylases, such as KDM1B, regulate histone lysine methylation,

an epigenetic mark that regulates gene expression and chromatin function (Karytinos et al.,

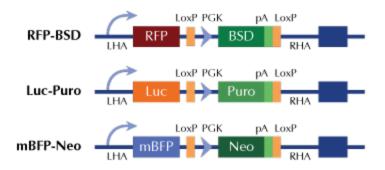
2009 [PubMed 19407342]).[supplied by OMIM, Oct 2009]





## **Product images:**

#### Donor Vector Edited Chromosome



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