

# Product datasheet for KN221980BN

## KDM1B Human Gene Knockout Kit (CRISPR)

### **Product data:**

#### OriGene Technologies, Inc.

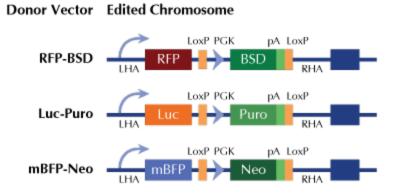
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Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	KDM1B
Locus ID:	221656
Components:	<ul> <li>KN221980G1, KDM1B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN221980G2, KDM1B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN221980BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
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, NM 001364614</u>
UniProt ID:	<u>Q8NB78</u>
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]



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#### **Product images:**



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

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