

Product datasheet for **KN221980**

KDM1B Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	KDM1B
Locus ID:	221656
Components:	<p>KN221980G1, KDM1B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCCGGATAGCCTTCCTTTG</p> <p>KN221980G2, KDM1B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCCTACCGAGCTCCTCAA</p> <p>KN221980D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 AAAAAACCGC CCTTAACATG GCCCGC

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_153042](#), [NM_001364614](#)

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:

