

## Product datasheet for **KN214918RB**

### KDM5B Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	KDM5B
Locus ID:	10765
Components:	<b>KN214918G1</b> , KDM5B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN214918G2</b> , KDM5B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN214918RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_006618</a> , <a href="#">NM_001314042</a> , <a href="#">NM_001347591</a>
UniProt ID:	<a href="#">Q9UGL1</a>
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 the transcriptional repression or certain tumor suppressor genes and is upregulated 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]



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## Product images:

