

## **Product datasheet for KN215874LP**

#### OriGene Technologies, Inc.

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### KDM3A / JHDM2A (KDM3A) 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: KDM3A / JHDM2A

**Locus ID:** 55818

**Components:** KN215874G1, KDM3A / JHDM2A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN215874G2**, KDM3A / JHDM2A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN215874LPD**, 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 001146688</u>, <u>NM 018433</u>

UniProt ID: Q9Y4C1

Synonyms: JHDM2A; JHMD2A; JMJD1; JMJD1A; TSGA

**Summary:** This gene encodes a zinc finger protein that contains a jumonji domain and may play a role

in hormone-dependent transcriptional activation. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Apr 2009]



# **Product images:**

### Donor Vector Edited Chromosome



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