

# Product datasheet for KN317008LP

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OriGene Technologies, Inc.

# Kmt5c Mouse 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

Kmt5c Symbol: 232811 Locus ID:

**KN317008G1**, Kmt5c gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN317008G2, Kmt5c gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN317008LPD, 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: NM 001115018, NM 146177, NM 001358044

**UniProt ID:** Q6Q783

Synonyms: BC024816; Suv4-20h2; Suv420h2

Summary: Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20'

> trimethylation represents a specific tag for epigenetic transcriptional repression. Mainly functions in pericentric heterochromatin regions, thereby playing a central role in the

establishment of constitutive heterochromatin in these regions. KMT5C is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2).[UniProtKB/Swiss-Prot

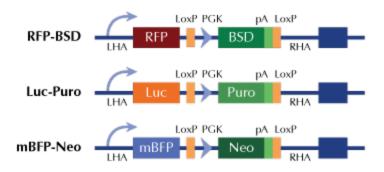
Function1





# **Product images:**

## Donor Vector Edited Chromosome



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