

Product datasheet for **KN317008RB**

Kmt5c Mouse 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:	Kmt5c
Locus ID:	232811
Components:	KN317008G1 , Kmt5c gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN317008G2 , Kmt5c gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN317008RBD , donor DNA containing left and right homologous arms and RFP-BSD 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 Function]



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Product images:

