

Product datasheet for **KN308589**

Kat8 Mouse 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:	Kat8
Locus ID:	67773
Components:	KN308589G1 , Kat8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCAGTTGCTGCAACAACCTTC KN308589G2 , Kat8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGAAAATGCAGCAGTCGAG KN308589D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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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_026370](#), [NM_001360699](#)

UniProt ID:

[Q9D1P2](#)

Synonyms:

2010203C02Rik; 5830450F21Rik; D7Ert629e; MOF; Myst1

Summary:

Histone acetyltransferase which may be involved in transcriptional activation. May influence the function of ATM. As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. That activity is less specific than the one of the MSL complex. Can also acetylate TP53/p53 at 'Lys-120'. [UniProtKB/Swiss-Prot Function]

Product images:

