

Product datasheet for KN308589LP

OriGene Technologies, Inc.

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Kat8 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

Symbol: Kat8 Locus ID: 67773

Components: KN308589G1, Kat8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN308589G2, Kat8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN308589LPD, 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 026370, NM 001360699

UniProt ID: Q9D1P2

Synonyms: 2010203C02Rik; 5830450F21Rik; D7Ertd629e; 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-

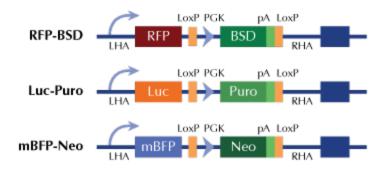
Prot Function]





Product images:

Donor Vector Edited Chromosome



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