

Product datasheet for KN310000LP

OriGene Technologies, Inc.

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Mettl21a 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: Mettl21a Locus ID: 67099

Components: KN31000G1, Mettl21a gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN310000G2, Mettl21a gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN310000LPD, 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 025964, NM 001368283, NM 001368284</u>

UniProt ID: Q9CQL0

Synonyms: 2310038H17Rik; Al464204; Fam119a

Summary: Protein-lysine methyltransferase that selectively trimethylates residues in heat shock protein

70 (HSP70) family members. Contributes to the in vivo trimethylation of Lys residues in HSPA1 and HSPA8. In vitro methylates 'Lys-561' in HSPA1, 'Lys-564' in HSPA2, 'Lys-585' in HSPA5, 'Lys-563' in HSPA6 and 'Lys-561' in HSPA8 (By similarity). [UniProtKB/Swiss-Prot

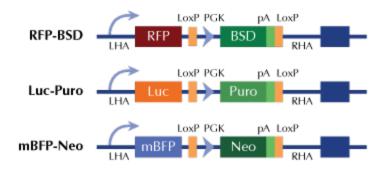
Function1





Product images:

Donor Vector Edited Chromosome



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