OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for KN310902RB

Neo1 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: Neo1

Locus ID: 18007

Components: **KN310902G1**, Neo1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAGGTGCAGAGGAGTCGCC
KN310902G2, Neo1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCGGACAGCAGCGCCGGG
KN310902RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.
Homologous arm and RFP-BSD sequences:

pUC vector backbone in gray; Left arm sequence in blue; RFP-BSD in green; Right arm in violet

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TGGCAACAAC GTTGCGCAAA CTATTAACTG GCGAACTACT TACTCTAGCT TCCCGGCAAC AATTAATAGA
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ATCATGTAAC TCGCCTT

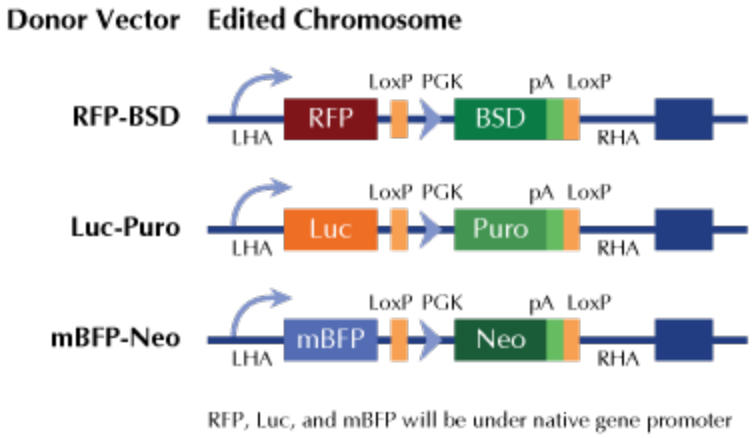
GE100003, scramble sequence in pCas-Guide vector

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_001042752, NM_008684

Synonyms: 2610028H22Rik; AI327052; D930014N22Rik; Igdcc2

Product images:



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