

Product datasheet for **KN308061**

lapp 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: lapp
Locus ID: 15874
Components: **KN308061G1**, lapp gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGGTCACCAACCTTCTGAC
KN308061G2, lapp gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCTACACCTGTCAGAAAGGT
KN308061D, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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CTACAGGCAT CGTGGTGTCA CGCTCGCTG TTGGTATGGC TTCATTACAG TCCGGTTCC AACGATC

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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_010491](#)

UniProt ID:

[P12968](#)

Synonyms:

DAP

Summary:

Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not affecting adipocyte glucose metabolism.[UniProtKB/Swiss-Prot Function]

Product images:

