

Product datasheet for **KN309204**

Ldlr 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:	Ldlr
Locus ID:	16835
Components:	KN309204G1 , Ldlr gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCTGCCGGAGTTGCAGGTA KN309204G2 , Ldlr gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCAGGTAAGGCTTTGCGCC KN309204D , 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

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_001252658](#), [NM_001252659](#), [NM_010700](#)

UniProt ID:

[P35951](#)

Synonyms:

Hlb301

Summary:

Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits.[UniProtKB/Swiss-Prot Function]

Product images:

