

Product datasheet for **KN316149**

Slc50a1 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: Slc50a1
Locus ID: 19729
Components: **KN316149G1**, Slc50a1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCTGCGTGCTCTTCACCCT
KN316149G2, Slc50a1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCCAGTGGAGAACATGCC
KN316149D, 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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 AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCAACG ATC

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_009057](#)

UniProt ID:

[Q9CXK4](#)

Synonyms:

MmSWEET1; Rag1ap1; Rga

Summary:

Mediates sugar transport across membranes (By similarity). May regulate the expression of RAG1 a gene involved in V(D)J recombination.[UniProtKB/Swiss-Prot Function]

Product images:

