

## **Product datasheet for KN316095BN**

### Product datasileet for kins 10095Bit

# Slc38a5 Mouse Gene Knockout Kit (CRISPR)

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo Symbol: Slc38a5
Locus ID: 209837

**Components:** KN316095G1, Slc38a5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN316095G2**, Slc38a5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN316095BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 172479</u>

UniProt ID: Q3U1|0

**Synonyms:** C81234; E330031E14; JM24; SN2

**Summary:** Functions as a sodium-dependent amino acid transporter which countertransport protons.

Mediates the saturable, pH-sensitive, and electrogenic cotransport of several neutral amino acids including glycine, asparagine, alanine, serine, glutamine and histidine with sodium (By

similarity).[UniProtKB/Swiss-Prot Function]



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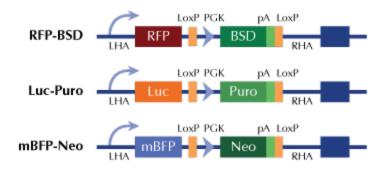
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## **Product images:**

#### Donor Vector Edited Chromosome



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