

Product datasheet for **KN316144**

Slc4a4 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: Slc4a4
Locus ID: 54403
Components: **KN316144G1**, Slc4a4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAAGTAGAAGGTGAGCACTT
KN316144G2, Slc4a4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAGGAAGCCCCCTCTGTCC
KN316144D, 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_001136260](#), [NM_001197147](#), [NM_018760](#), [NM_001359211](#), [NM_001359212](#),
[NM_001359213](#)

UniProt ID:

[O88343](#)

Synonyms:

AI835705; NBC; NBC1

Summary:

Electrogenic sodium/bicarbonate cotransporter with a Na(+):HCO3(-) stoichiometry varying from 1:2 to 1:3. May regulate bicarbonate influx/efflux at the basolateral membrane of cells and regulate intracellular pH.[UniProtKB/Swiss-Prot Function]

Product images:

