

## Product datasheet for **KN316094RB**

### Slc38a4 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Slc38a4
Locus ID:	69354
Components:	<b>KN316094G1</b> , Slc38a4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN316094G2</b> , Slc38a4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN316094RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_027052</a> , <a href="#">NM_001358058</a> , <a href="#">NM_001358059</a> , <a href="#">NM_001358060</a>
UniProt ID:	<a href="#">Q8R1S9</a>
Synonyms:	1110012E16Rik; 1700012A18Rik; Ata3; mATA3; mNAT3
Summary:	Sodium-dependent amino acid transporter. Mediates electrogenic symport of neutral amino acids and sodium ions. Has a broad specificity, with a preference for Ala, followed by Ser, His, Gly, Cys, Asn, Thr, Pro, Gln and Met. May mediate sodium-independent transport of cationic amino acids, such as Arg and Lys. Amino acid uptake is pH-dependent, with lower transport activities at pH 6.5, intermediate at pH 7.0 and highest between pH 7.5 and 8.5. [UniProtKB/Swiss-Prot Function]

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## Product images:

