

Product datasheet for KN316094LP

OriGene Technologies, Inc.9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Slc38a4 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: Slc38a4 Locus ID: 69354

Components: KN316094G1, Slc38a4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN316094G2, Slc38a4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN316094LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 027052, NM 001358058, NM 001358059, NM 001358060

UniProt ID: Q8R1S9

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

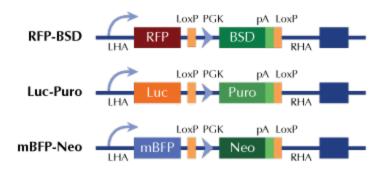
activities at pH 6.5, intermediate at pH 7.0 and highest between pH 7.5 and 8.5.

[UniProtKB/Swiss-Prot Function]



Product images:

Donor Vector Edited Chromosome



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