

Product datasheet for KN315860LP

OriGene Technologies, Inc.

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Slc11a2 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: Slc11a2 Locus ID: 18174

Components: KN315860G1, Slc11a2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN315860G2, Slc11a2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN315860LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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.

RefSeg: NM 001146161, NM 008732, NM 001356952

UniProt ID: P49282

Synonyms: DCT1; DMT1; mk; Nramp2; van

Summary: May serve to import iron into the mitochondria (By similarity). Important in metal transport,

in particular iron. Involved in apical iron uptake into duodenal enterocytes. Involved in iron transport from acidified endosomes into the cytoplasm of erythroid precursor cells. May play an important role in hepatic iron accumulation and tissue iron distribution. [UniProtKB/Swiss-

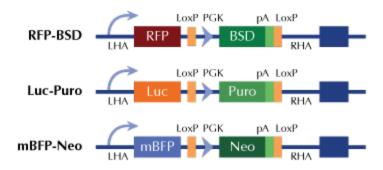
Prot Function]





Product images:

Donor Vector Edited Chromosome



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