

Product datasheet for KN308364BN

Insr 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: Insr Locus ID: 16337

KN308364G1, Insr gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN308364G2, Insr gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN308364BND, 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.

P15208

NM 010568 RefSeq:

UniProt ID:

Synonyms: 4932439J01Rik; CD220; D630014A15Rik; IR; IR-A; IR-B

Summary: This gene encodes a member of the receptor tyrosine kinase family of transmembrane

> signaling proteins that play important roles in cell differentiation, growth and metabolism. The encoded preproprotein undergoes proteolytic processing to generate alpha and beta chains that form a disulfide-linked heterodimer which, in turn homodimerizes to form a mature, functional receptor. Mice lacking the encoded protein develop severe hyperglycemia

and hyperketonemia, and die within a couple of days after birth as a result of diabetic

ketoacidosis. [provided by RefSeq, Aug 2016]



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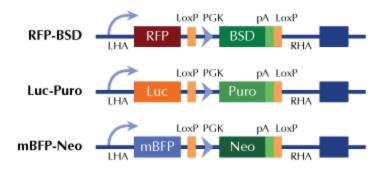
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Product images:

Donor Vector Edited Chromosome



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