

Product datasheet for KN308364LP

OriGene Technologies, Inc.

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Insr 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: Insr Locus ID: 16337

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

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

KN308364LPD, 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.

 RefSeq:
 NM 010568

 UniProt ID:
 P15208

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

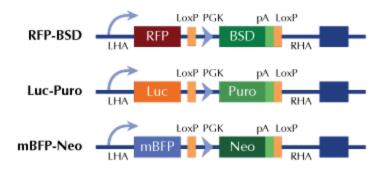
ketoacidosis. [provided by RefSeq, Aug 2016]





Product images:

Donor Vector Edited Chromosome



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