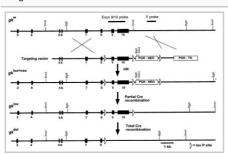


Associated Images

Image 1



Description:

Gene targeting and Cre deletion events. Top, a partial map of the wild type gkw allele. Exons are indicated as solid rectangles. Middle, a map of the GK gene targeting vector is shown. The vector contains a phosphoglycerol kinaseneomycin resistance gene cassette (neoR), a phosphoglycerol kinase-herpes simplex virus type I thymidine kinase gene cassette, and three loxP sequences (represented as triangles). Two of the loxP sites flank neoR , and the third is located between exons 8 and 9 in the GK gene. The gklox+neo allele was created by homologous recombination (HR) in ES cells. Bottom, the gklox allele was derived from the gklox+neo allele through partial Cre recombination. Exons 9 and 10 and neoR were excised by Cre DNA microinjection or cellspecific Cre expression in transgenic mice.

Reference:

9867845

Repositories

MMRRC



Stock #: 011949-UNC

Availability Notes: Not provided

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Associated Publications

Publication	Citation

9867845

Postic C, Shiota M, Niswender KD, Jetton TL, Chen Y, Moates JM, Shelton KD, Lindner J, Cherrington AD, Magnuson MA <u>Dual roles for glucokinase in glucose homeostasis as determined by liver and pancreatic beta cell-specific gene knock-outs using Cre recombinase.</u> (1999) *J Biol Chem* **274**: 305-15 (Added January 31, 2013)

Comments

There are no comments for this entry.



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