

Cdkal1-Flox

系統名	C57BL/6Smoc- <i>Cdkal1</i> ^{em1(flox)Smoc}
SMOC番号	NM-CKO-234794
維持形態	Repository Live

遺伝子の概要

Gene Symbol Cdkal1	Synonyms	1190005B03Rik; 6620401C13Rik
	NCBI ID	68916
	MGI ID	1921765
	Ensembl ID	ENSMUSG00000006191
	Human Ortholog	CDKAL1

説明

These strains carry loxP sites flanking exon 5 of *Cdkal1* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Cdkal1* gene.

*Literature published using this strain should indicate: *Cdkal1*-Flox mice (Cat. NO. NM-CKO-234794) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Type 2 Diabetes Mellitus	表現型	MGI:5301577 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Ins2-cre</i> mice.
	参考文献	Wei FY, Suzuki T, Watanabe S, Kimura S, Kaitsuka T, Fujimura A, Matsui H, Atta M, Michiue H, Fontecave M, Yamagata K, Suzuki T, Tomizawa K, Deficit of tRNA(Lys) modification by <i>Cdkal1</i> causes the development of type 2 diabetes in mice. <i>J Clin Invest.</i> 2011 Sep 1;121(9):3598-608

表現型データ

No data
