

Prkci-Flox

Nomenclature	C57BL/6Smoc- <i>Prkci</i> ^{em1(flox)Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Prkci	Synonyms	Pkci, Pkcl, Prkcl, AI427505, PKClambda, mKIAA4165, aPKClambda, 2310021H13Rik
	NCBI ID	18759
	MGI ID	99260
	Ensembl ID	ENSMUSG00000037643
	Human Ortholog	PRKCI

Model Description

These mice carry loxP sites flanking target exons of Prkci gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Prkci gene.

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

Disease Connection

Type 2 Diabetes Mellitus	Phenotype(s)	MGI:3721145 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Ckmm-cre mice.
	Reference(s)	Farese RV, Sajan MP, Yang H, Li P, Mastorides S, Gower WR Jr, Nimal S, Choi CS, Kim S, Shulman GI, Kahn CR, Braun U, Leitges M, Muscle-specific knockout of PKC-lambda impairs glucose transport and induces metabolic and diabetic syndromes. J Clin Invest. 2007 Aug;117(8):2289-301

Validation Data

No data
