

Prox1-Flox

Nomenclature	C57BL/6Smoc- <i>Prox1</i> ^{tm1(flox)Smoc}
Cat. NO.	NM-CKO-2102305
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Prox1	Synonyms	PROX-1, A230003G05Rik
	NCBI ID	19130
	MGI ID	97772
	Ensembl ID	ENSMUSG00000010175
	Human Ortholog	PROX1

Model Description

These mice carry loxP sites flanking exon 2 of Prox1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Prox1 gene.

*Literature published using this strain should indicate: Prox1-Flox mice (Cat. NO. NM-CKO-2102305) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Dilated Cardiomyopathy	Phenotype(s)	MGI:5907122 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nkx2-5-Cre mice.
	Reference(s)	Petchey LK, Risebro CA, Vieira JM, Roberts T, Bryson JB, Greensmith L, Lythgoe MF, Riley PR, Loss of Prox1 in striated muscle causes slow to fast skeletal muscle fiber conversion and dilated cardiomyopathy. Proc Natl Acad Sci U S A. 2014 Jul 1;111(26):9515-20

Validation Data

No data

