

# Prox1-Flox

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

## Gene Summary

<b>Gene Symbol</b> Prox1	<b>Synonyms</b>	PROX-1, A230003G05Rik
	<b>NCBI ID</b>	<a href="#">19130</a>
	<b>MGI ID</b>	<a href="#">97772</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000010175</a>
	<b>Human Ortholog</b>	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

<b>Dilated Cardiomyopathy</b>	<b>Phenotype(s)</b>	<a href="#">MGI:5907122</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nkx2-5-Cre mice.
	<b>Reference(s)</b>	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

