

# Nexn-Flox

<b>Nomenclature</b>	C57BL/6Smoc- <i>Nexn</i> <sup>em1(flox)Smoc</sup>
<b>Cat. NO.</b>	TBD
<b>Strain State</b>	Developing

## Gene Summary

<b>Gene Symbol</b> Nexn	<b>Synonyms</b>	NELIN, AA553326, 1110046H09Rik
	<b>NCBI ID</b>	<a href="#">68810</a>
	<b>MGI ID</b>	<a href="#">1916060</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000039103</a>
	<b>Human Ortholog</b>	NEXN

## Model Description

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

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

## Disease Connection

<b>Dilated Cardiomyopathy</b> 1Cc	<b>Phenotype(s)</b>	<a href="#">MGI:6514900</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Tnnt2-cre mice.
	<b>Reference(s)</b>	Liu C, Spinozzi S, Chen JY, Fang X, Feng W, Perkins G, Cattaneo P, Guimaraes-Camboa N, Dalton ND, Peterson KL, Wu T, Ouyang K, Fu XD, Evans SM, Chen J, Nexilin Is a New Component of Junctional Membrane Complexes Required for Cardiac T-Tubule Formation. Circulation. 2019 Jul 2;140(1):55-66

<b>dilated cardiomyopathy 1CC</b>	<b>Phenotype(s)</b>	<a href="#">MGI:6514899</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with myl2-cre mice.
	<b>Reference(s)</b>	Liu C, Spinozzi S, Chen JY, Fang X, Feng W, Perkins G, Cattaneo P, Guimaraes-Camboa N, Dalton ND, Peterson KL, Wu T, Ouyang K, Fu XD, Evans SM, Chen J, Nexilin Is a New Component of Junctional Membrane Complexes Required for Cardiac T-Tubule Formation. <i>Circulation</i> . 2019 Jul 2;140(1):55-66

## Validation Data

No data