

Nexn-Flox

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

Gene Summary

Gene Symbol Nexn	Synonyms	NELIN, AA553326, 1110046H09Rik
	NCBI ID	68810
	MGI ID	1916060
	Ensembl ID	ENSMUSG00000039103
	Human Ortholog	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

Dilated Cardiomyopathy 1Cc	Phenotype(s)	MGI:6514900 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Tnnt2-cre mice.
	Reference(s)	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

dilated cardiomyopathy 1CC	Phenotype(s)	MGI:6514899 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with myl2-cre mice.
	Reference(s)	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

Validation Data

No data