

Notch1-KO

Nomenclature	C57BL/6Smoc- <i>Notch1</i> ^{em1Smoc}
Cat. NO.	NM-KO-205029
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Notch1	Synonyms	N1; Mis6; Tan1; lin-12; 9930111A19Rik
	NCBI ID	18128
	MGI ID	97363
	Ensembl ID	ENSMUSG00000026923
	Human Ortholog	NOTCH1

Model Description

Exon 3-4 of Notch1 gene was deleted to generate Notch1 knockout mice.

*Literature published using this strain should indicate: Notch1-KO mice (Cat. NO. NM-KO-205029) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Cadasil 1	Phenotype(s)	MGI:5771892 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Notch3-KO(NM-KO-190129) mice.
	Reference(s)	Kofler NM, Cuervo H, Uh MK, Murtomaki A, Kitajewski J, Combined deficiency of Notch1 and Notch3 causes pericyte dysfunction, models CADASIL, and results in arteriovenous malformations. Sci Rep. 2015;5:16449

Validation Data

No data

