

Sirt1-Flox

Nomenclature	C57BL/6Smoc- <i>Sirt1</i> ^{tm1(flox)Smoc}
Cat. NO.	NM-CKO-190037
Strain State	Repository Live

Gene Summary

Gene Symbol Sirt1	Synonyms	Sir2, Sir2a, SIR2L1, AA673258, Sir2alpha
	NCBI ID	93759
	MGI ID	2135607
	Ensembl ID	ENSMUSG00000020063
	Human Ortholog	SIRT1

Model Description

These mice carry loxP sites flanking exon3 of Sirt1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Sirt1 gene.

Research Application: Epigenetic

*Literature published using this strain should indicate: Sirt1-Flox mice (Cat. NO. NM-CKO-190037) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Fatty Liver Disease	Phenotype(s)	MGI:5305254 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Alb1-cre mice.
	Reference(s)	Wang RH, Li C, Deng CX, Liver steatosis and increased ChREBP expression in mice carrying a liver specific SIRT1 null mutation under a normal feeding condition. Int J Biol Sci. 2010;6(7):682-90

Validation Data

No data
