

Senp1-Flox

Nomenclature	C57BL/6Smoc- <i>Senp1</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200277
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Senp1	Synonyms	suPr-2, D15Ert528e, 2310046A20Rik, E330036L07Rik
	NCBI ID	223870
	MGI ID	2445054
	Ensembl ID	ENSMUSG00000033075
	Human Ortholog	SENP1

Model Description

These mice carry loxP sites flanking exon 4 of *Senp1* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Senp1* gene.

*Literature published using this strain should indicate: *Senp1*-Flox mice (Cat. NO. NM-CKO-200277) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Type 1 Diabetes Mellitus	Phenotype(s)	MGI:5707775 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Fabp4</i> -cre mice.
	Reference(s)	Shao L, Zhou HJ, Zhang H, Qin L, Hwa J, Yun Z, Ji W, Min W, SENP1-mediated NEMO deSUMOylation in adipocytes limits inflammatory responses and type-1 diabetes progression. Nat Commun. 2015;6:8917

Validation Data

No data
