

# Lepr-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>Lepr</i> <sup>em1Smoc</sup>
<b>Cat. NO.</b>	NM-KO-190663
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> Lepr	<b>Synonyms</b>	db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; obese-like
	<b>NCBI ID</b>	<a href="#">16847</a>
	<b>MGI ID</b>	<a href="#">104993</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000057722</a>
	<b>Human Ortholog</b>	LEPR

## Model Description

Exon 5 of Lepr gene was deleted to generate Lepr knockout mice.

**Research Application:** obesity

\*Literature published using this strain should indicate: Lepr-KO mice (Cat. NO. NM-KO-190663) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

<b>Type 2 Diabetes Mellitus</b>	<b>Phenotype(s)</b>	<a href="#">MGI:5620891</a>
	<b>Reference(s)</b>	Lee Y, Berglund ED, Yu X, Wang MY, Evans MR, Scherer PE, Holland WL, Charron MJ, Roth MG, Unger RH, Hyperglycemia in rodent models of type 2 diabetes requires insulin-resistant alpha cells. Proc Natl Acad Sci U S A. 2014 Sep 9;111(36):13217-22

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<b>Obesity</b>	<b>Phenotype(s)</b>	<a href="#">MGI:3511748</a>
	<b>Reference(s)</b>	McMinn JE, Liu SM, Dragatsis I, Dietrich P, Ludwig T, Eiden S, Chua SC Jr, An allelic series for the leptin receptor gene generated by CRE and FLP recombinase. Mamm Genome. 2004 Sep;15(9):677-85

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## Validation Data

No data

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