

Lepr-g.G109052T

Nomenclature	B6.129S- <i>Lepr</i> ^{tm1Smoc}
Cat. NO.	NM-KI-00001
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Lepr	Synonyms	db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; obese-like
	NCBI ID	16847
	MGI ID	104993
	Ensembl ID	ENSMUSG00000057722
	Human Ortholog	LEPR

Model Description

A point mutation was introduced to exon 19 (c.109052 G>T) via a recombineering strategy. Homozygous mutants are hyperphagic, low-activity, poorly cold-adapted, sterile and have enhanced fat conversion.

Research Application: Leptin resistance, insulin resistance, obesity, and type 2 diabetes etc.
*Literature published using this strain should indicate: Lepr-g.G109052T mice (Cat. NO. NM-KI-00001) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data