

Mc3r-KO

系統名	C57BL/6Smoc- <i>Mc3R</i> ^{em1Smoc}
SMOC番号	NM-KO-190652
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Mc3r	Synonyms	MC3-R
	NCBI ID	17201
	MGI ID	96929
	Ensembl ID	ENSMUSG00000038537
	Human Ortholog	MC3R

説明

Exon 1 of Mc3r gene was deleted to generate Mc3r knockout mice.

応用分野: obesity

*Literature published using this strain should indicate: Mc3r-KO mice (Cat. NO. NM-KO-190652) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Obesity	表現型	MGI:3850836 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Mc4r-KO(2)(NM-KO-205021) mice.
	参考文献	Chen AS, Marsh DJ, Trumbauer ME, Frazier EG, Guan XM, Yu H, Rosenblum CI, Vongs A, Feng Y, Cao L, Metzger JM, Strack AM, Camacho RE, Mellin TN, Nunes CN, Min W, Fisher J, Gopal-Truter S, MacIntyre DE, Chen HY, Van Der Ploeg LH, Inactivation of the mouse melanocortin-3 receptor results in increased fat mass and reduced lean body mass. Nat Genet. 2000 Sep;26(1):97-102

obesity	表現型	MGI:3639354
	参考文献	Butler AA, Kesterson RA, Khong K, Cullen MJ, Pellemounter MA, Dekoning J, Baetscher M, Cone RD, A unique metabolic syndrome causes obesity in the melanocortin-3 receptor-deficient mouse. <i>Endocrinology</i> . 2000 Sep;141(9):3518-21

表現型データ

No data