

# Mc4r-KO

系統名	C57BL/6Smoc- <i>Mc4r</i> <sup>tm1Smoc</sup>
SMOC番号	NM-KO-200357
維持形態	Embryo cryopreservation

## 遺伝子の概要

Gene Symbol Mc4r	Synonyms	Pkcp, Mc4-r
	NCBI ID	<a href="#">17202</a>
	MGI ID	<a href="#">99457</a>
	Ensembl ID	<a href="#">ENSMUSG00000047259</a>
	Human Ortholog	MC4R

## 説明

Exon 1 of Mc4r gene was deleted to generate Mc4r knockout mice.

**応用分野:** Therapeutic antibody target

\*Literature published using this strain should indicate: Mc4r-KO mice (Cat. NO. NM-KO-200357) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

obesity	表現型	<a href="#">MGI:3579026</a>
	参考文献	Huszar D, et al., Targeted disruption of the melanocortin-4 receptor results in obesity in mice. Cell. 1997 Jan 10;88(1):131-41
Non-Alcoholic Steatohepatitis	表現型	<a href="#">MGI:6405042</a>
	参考文献	Matsumoto M, et al., Acetyl-CoA carboxylase 1 and 2 inhibition ameliorates steatosis and hepatic fibrosis in a MC4R knockout murine model of nonalcoholic steatohepatitis. PLoS One. 2020;15(1):e0228212

## 表現型データ

No data

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