

# Lmx1b-Flox

系統名	C57BL/6Smoc- <i>Lmx1b</i> <sup>em1(flox)Smoc</sup>
SMOC番号	NM-CKO-200117
維持形態	Embryo cryopreservation

## 遺伝子の概要

Gene Symbol <b>Lmx1b</b>	<b>Synonyms</b>	lcst, LMX1.1, LMX1.2
	<b>NCBI ID</b>	<a href="#">16917</a>
	<b>MGI ID</b>	<a href="#">1100513</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000038765</a>
	<b>Human Ortholog</b>	LMX1B

## 説明

These mice carry loxP sites flanking exon 4-6 of *Lmx1b* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Lmx1b* gene.

**応用分野:** Research on Dopaminergic Neurogenesis and Sudden Infant Death Syndrome (SIDS) Susceptibility Pathway

\*Literature published using this strain should indicate: *Lmx1b*-Flox mice (Cat. NO. NM-CKO-200117) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

<b>Nail-Patella Syndrome</b>	<b>表現型</b>	<a href="#">MGI:3715141</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with NPHS2-cre mice.
	<b>参考文献</b>	Suleiman H, Heudobler D, Raschta AS, Zhao Y, Zhao Q, Hertting I, Vitzthum H, Moeller MJ, Holzman LB, Rachel R, Johnson R, Westphal H, Rasclé A, Witzgall R, The podocyte-specific inactivation of <i>Lmx1b</i> , <i>Ldb1</i> and <i>E2a</i> yields new insight into a transcriptional network in podocytes. <i>Dev Biol.</i> 2007 Apr 15;304(2):701-12

<b>Parkinson's Disease</b>	<b>表現型</b>	<a href="#">MGI:5647883</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Lmx1a-Flox(NM-CKO-2114850) and Slc6a3-cre mice.
	<b>参考文献</b>	Laguna A, Schintu N, Nobre A, Alvarsson A, Volakakis N, Jacobsen JK, Gomez-Galan M, Sopova E, Joodmardi E, Yoshitake T, Deng Q, Kehr J, Ericson J, Svenningsson P, Shupliakov O, Perlmann T, Dopaminergic control of autophagic-lysosomal function implicates Lmx1b in Parkinson's disease. Nat Neurosci. 2015 Jun;18(6):826-35

### 表現型データ

No data