

# Bdnf-Flox

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|--------|---|
| 系統名    | C57BL/6Smoc- <i>Bdnf</i> <sup>em1(flox)Smoc</sup> |
| SMOC番号 | NM-CKO-200064                                     |
| 維持形態   | Repository Live                                   |

## 遺伝子の概要

|                     |                |                                    |
|---------------------|----------------|------------------------------------|
| Gene Symbol<br>Bdnf | Synonyms       | -                                  |
|                     | NCBI ID        | <a href="#">12064</a>              |
|                     | MGI ID         | <a href="#">88145</a>              |
|                     | Ensembl ID     | <a href="#">ENSMUSG00000048482</a> |
|                     | Human Ortholog | BDNF                               |

## 説明

These mice carry loxP sites flanking exon 2 of Bdnf gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Bdnf gene.

**応用分野:** Research on ERK signaling pathway and Ras signaling pathway

\*Literature published using this strain should indicate: Bdnf-Flox mice (Cat. NO. NM-CKO-200064) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

|               |      |  |
|---------------|------|--|
| Rett Syndrome | 表現型  | <a href="#">MGI:5306255</a><br>Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Mecp2-Flox(NM-CKO-190001) and Camk2a-cre mice. |
|               | 参考文献 | Chang Q, Khare G, Dani V, Nelson S, Jaenisch R, The disease progression of Mecp2 mutant mice is affected by the level of BDNF expression. Neuron. 2006 Feb 2;49(3):341-8 |

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## 表現型データ

No data

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