

Bdnf-Flox

Nomenclature	C57BL/6Smoc- <i>Bdnf</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200064
Strain State	Repository Live

Gene Summary

Gene Symbol Bdnf	Synonyms	-
	NCBI ID	12064
	MGI ID	88145
	Ensembl ID	ENSMUSG00000048482
	Human Ortholog	BDNF

Model Description

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.

Research Application: 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..

Disease Connection

Rett Syndrome	Phenotype(s)	MGI:5306255 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.
	Reference(s)	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

Validation Data

No data
