

Bmp1-Flox

Nomenclature	C57BL/6Smoc- <i>Bmp1</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-200065
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Bmp1	Synonyms	Pcp, Tld
	NCBI ID	12153
	MGI ID	88176
	Ensembl ID	ENSMUSG00000022098
	Human Ortholog	BMP1

Model Description

These mice carry loxP sites flanking exon 3-6 of Bmp1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Bmp1 gene.

Research Application: Research on Lipoprotein Metabolism and ERK Signal Transduction

*Literature published using this strain should indicate: Bmp1-Flox mice (Cat. NO. NM-CKO-200065) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Osteogenesis Imperfecta	Phenotype(s)	
	Reference(s)	Alison M. Muir, Yinshi Ren, Delana Hopkins Butz, Nicholas A. Davis, Robert D. Blank, David E. Birk, Se-Jin Lee, David Rowe, Jian Q. Feng, Daniel S. Greenspan, Induced ablation of Bmp1 and Tll1 produces osteogenesis imperfecta in mice. Hum Mol Genet . 2014 Jun 15;23(12):3085-101.

Validation Data

No data

