

# Bmp1-Flox

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

## Gene Summary

|                            |                       |                                    |
|----------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br>Bmp1 | <b>Synonyms</b>       | Pcp, Tld                           |
|                            | <b>NCBI ID</b>        | <a href="#">12153</a>              |
|                            | <b>MGI ID</b>         | <a href="#">88176</a>              |
|                            | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000022098</a> |
|                            | <b>Human Ortholog</b> | 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

|                                |                     |                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Osteogenesis Imperfecta</b> | <b>Phenotype(s)</b> |                                                                                                                                                                                                                                                                                         |
|                                | <b>Reference(s)</b> | 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

