

# Mdm4-Flox

|                     |                                                   |
|---------------------|---------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Mdm4</i> <sup>em1(flox)Smoc</sup> |
| <b>Cat. NO.</b>     | TBD                                               |
| <b>Strain State</b> | Developing                                        |

## Gene Summary

|                                   |                       |                                                                     |
|-----------------------------------|-----------------------|---------------------------------------------------------------------|
| <b>Gene Symbol</b><br><b>Mdm4</b> | <b>Synonyms</b>       | Mdmx, C85810, AA414968, AL023055, AU018793, AU021806, 4933417N07Rik |
|                                   | <b>NCBI ID</b>        | <a href="#">17248</a>                                               |
|                                   | <b>MGI ID</b>         | <a href="#">107934</a>                                              |
|                                   | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000054387</a>                                  |
|                                   | <b>Human Ortholog</b> | MDM4                                                                |

## Model Description

These mice carry loxP sites flanking target exons of Mdm4 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Mdm4 gene.

\*Literature published using this strain should indicate: Mdm4-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                               |                     |                                                                                                                                                                                |
|-------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dilated Cardiomyopathy</b> | <b>Phenotype(s)</b> | <a href="#">MGI:3616711</a><br>Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Myh6-cre mice.                                       |
|                               | <b>Reference(s)</b> | Xiong S, Van Pelt CS, Elizondo-Fraire AC, Fernandez-Garcia B, Lozano G, Loss of Mdm4 results in p53-dependent dilated cardiomyopathy. Circulation. 2007 Jun 12;115(23):2925-30 |

## Validation Data

No data

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