

# Med1-Flox

|                     |                                                   |
|---------------------|---------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Med1</i> <sup>em1(flox)Smoc</sup> |
| <b>Cat. NO.</b>     | TBD                                               |
| <b>Strain State</b> | Developing                                        |

## Gene Summary

|                                   |                       |                                                                    |
|-----------------------------------|-----------------------|--------------------------------------------------------------------|
| <b>Gene Symbol</b><br><b>Med1</b> | <b>Synonyms</b>       | PBP, Pparbp, TRIP-2, CRSP210, DRIP205, TRAP220, AI480703, l11Jus15 |
|                                   | <b>NCBI ID</b>        | <a href="#">19014</a>                                              |
|                                   | <b>MGI ID</b>         | <a href="#">1100846</a>                                            |
|                                   | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000018160</a>                                 |
|                                   | <b>Human Ortholog</b> | MED1                                                               |

## Model Description

These mice carry loxP sites flanking target exons of Med1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Med1 gene.

\*Literature published using this strain should indicate: Med1-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:5911326</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> | Jia Y, Chang HC, Schipma MJ, Liu J, Shete V, Liu N, Sato T, Thorp EB, Barger PM, Zhu YJ, Viswakarma N, Kanwar YS, Ardehali H, Thimmapaya B, Reddy JK, Cardiomyocyte-Specific Ablation of Med1 Subunit of the Mediator Complex Causes Lethal Dilated Cardiomyopathy in Mice. PLoS One. 2016;11(8):e0160755 |

|                               |                     |                                                                                                                                                                                                                                                                                                           |
|-------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>dilated cardiomyopathy</b> | <b>Phenotype(s)</b> | <a href="#">MGI:5911329</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> | Jia Y, Chang HC, Schipma MJ, Liu J, Shete V, Liu N, Sato T, Thorp EB, Barger PM, Zhu YJ, Viswakarma N, Kanwar YS, Ardehali H, Thimmapaya B, Reddy JK, Cardiomyocyte-Specific Ablation of Med1 Subunit of the Mediator Complex Causes Lethal Dilated Cardiomyopathy in Mice. PLoS One. 2016;11(8):e0160755 |

## Validation Data

No data