

# Kdm3A-KO

|                     |                                              |
|---------------------|----------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Kdm3A</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | TBD                                          |
| <b>Strain State</b> | Developing                                   |

## Gene Summary

|                             |                       |                                                                        |
|-----------------------------|-----------------------|------------------------------------------------------------------------|
| <b>Gene Symbol</b><br>Kdm3a | <b>Synonyms</b>       | TGSA, Tsga, Jmjd1, KDM2A, JHDM2a, Jmjd1a, 1700105C21Rik, C230043E16Rik |
|                             | <b>NCBI ID</b>        | <a href="#">104263</a>                                                 |
|                             | <b>MGI ID</b>         | <a href="#">98847</a>                                                  |
|                             | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000053470</a>                                     |
|                             | <b>Human Ortholog</b> | KDM3A                                                                  |

## Model Description

Exon 5 of Kdm3A gene was deleted to generate Kdm3A knockout mice.

\*Literature published using this strain should indicate: Kdm3A-KO mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                |                     |                                                                                                                                                             |
|----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Obesity</b> | <b>Phenotype(s)</b> | <a href="#">MGI:3840234</a>                                                                                                                                 |
|                | <b>Reference(s)</b> | Tateishi K, Okada Y, Kallin EM, Zhang Y, Role of Jhdm2a in regulating metabolic gene expression and obesity resistance. Nature. 2009 Apr 9;458(7239):757-61 |

## Validation Data

No data