

# Gcdh-KO

|                     |                                             |
|---------------------|---------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Gcdh</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-200603                                |
| <b>Strain State</b> | Embryo cryopreservation                     |

## Gene Summary

|                            |                       |                                     |
|----------------------------|-----------------------|-------------------------------------|
| <b>Gene Symbol</b><br>Gcdh | <b>Synonyms</b>       | GCD, D17825, AI266902, 9030411L18   |
|                            | <b>NCBI ID</b>        | <a href="#">270076</a>              |
|                            | <b>MGI ID</b>         | <a href="#">104541</a>              |
|                            | <b>Ensembl ID</b>     | <a href="#">ENSMUSG000000003809</a> |
|                            | <b>Human Ortholog</b> | GCDH                                |

## Model Description

Exon 3-7 of Gcdh gene was deleted to generate Gcdh knockout mice.

**Research Application:** Glutaric Acidemia Type I research

\*Literature published using this strain should indicate: Gcdh-KO mice (Cat. NO. NM-KO-200603) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                            |                     |                                                                                                                                                                                                                                    |
|----------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Glutaric Acidemia I</b> | <b>Phenotype(s)</b> | <a href="#">MGI:2182958</a>                                                                                                                                                                                                        |
|                            | <b>Reference(s)</b> | Koeller DM, Woontner M, Crnic LS, Kleinschmidt-DeMasters B, Stephens J, Hunt EL, Goodman SI, Biochemical, pathologic and behavioral analysis of a mouse model of glutaric acidemia type I. Hum Mol Genet. 2002 Feb 15;11(4):347-57 |

## Validation Data

No data