

# Slc17a5-KO

|                     |                                                |
|---------------------|------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Slc17a5</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-201206                                   |
| <b>Strain State</b> | Sperm cryopreservation                         |

## Gene Summary

|                                      |                       |                                                                   |
|--------------------------------------|-----------------------|-------------------------------------------------------------------|
| <b>Gene Symbol</b><br><b>Slc17a5</b> | <b>Synonyms</b>       | SD, AST, NSD, SLD, ISSD, SIASD, SIALIN, 4732491M05, 4631416G20Rik |
|                                      | <b>NCBI ID</b>        | <a href="#">235504</a>                                            |
|                                      | <b>MGI ID</b>         | <a href="#">1924105</a>                                           |
|                                      | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000049624</a>                                |
|                                      | <b>Human Ortholog</b> | SLC17A5                                                           |

## Model Description

Exon 2 of Slc17a5 gene was deleted to generate Slc17a5 knockout mice.

\*Literature published using this strain should indicate: Slc17a5-KO mice (Cat. NO. NM-KO-201206) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                                  |                     |                                                                                                                                                           |
|----------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lysosomal Storage Disease</b> | <b>Phenotype(s)</b> | <a href="#">MGI:3609722</a>                                                                                                                               |
|                                  | <b>Reference(s)</b> | Lexicon Genetics Inc, NIH initiative supporting placement of Lexicon Genetics, Inc. mice into public repositories. MGI Direct Data Submission. 2005;      |
| <b>Sialuria</b>                  | <b>Phenotype(s)</b> | <a href="#">MGI:4440830</a>                                                                                                                               |
|                                  | <b>Reference(s)</b> | Prolo LM, Vogel H, Reimer RJ, The lysosomal sialic acid transporter sialin is required for normal CNS myelination. J Neurosci. 2009 Dec 9;29(49):15355-65 |

## Validation Data

No data

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