

# Srgap3-KO

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Srgap3</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-2104272                                 |
| <b>Strain State</b> | Embryo cryopreservation                       |

## Gene Summary

|                                     |                       |                                                               |
|-------------------------------------|-----------------------|---------------------------------------------------------------|
| <b>Gene Symbol</b><br><b>Srgap3</b> | <b>Synonyms</b>       | Gbi, WRP, MEGAP, AI452337, Arhgap14, mKIAA0411, D130026O08Rik |
|                                     | <b>NCBI ID</b>        | <a href="#">259302</a>                                        |
|                                     | <b>MGI ID</b>         | <a href="#">2152938</a>                                       |
|                                     | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000030257</a>                            |
|                                     | <b>Human Ortholog</b> | SRGAP3                                                        |

## Model Description

Exon 3 of *Srgap3* gene was deleted to generate *Srgap3* knockout mice.

\*Literature published using this strain should indicate: *Srgap3*-KO mice (Cat. NO. NM-KO-2104272) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Schizophrenia</b> | <b>Phenotype(s)</b> | <a href="#">MGI:5465282</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                      | <b>Reference(s)</b> | Waltereit R, Leimer U, von Bohlen Und Halbach O, Panke J, Holter SM, Garrett L, Wittig K, Schneider M, Schmitt C, Calzada-Wack J, Neff F, Becker L, Prehn C, Kutscherjawy S, Endris V, Bacon C, Fuchs H, Gailus-Durner V, Berger S, Schonig K, Adamski J, Klopstock T, Esposito I, Wurst W, de Angelis MH, Rappold G, Wieland T, Bartsch D, <i>Srgap3</i> (-)/(-) mice present a neurodevelopmental disorder with schizophrenia-related intermediate phenotypes. FASEB J. 2012 Nov;26(11):4418-28 |

## Validation Data

No data

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