

# Irs1-KO

|                     |                                             |
|---------------------|---------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Irs1</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-190827                                |
| <b>Strain State</b> | Embryo cryopreservation                     |

## Gene Summary

|                                   |                       |                                    |
|-----------------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br><b>Irs1</b> | <b>Synonyms</b>       | G972R, IRS-1                       |
|                                   | <b>NCBI ID</b>        | <a href="#">16367</a>              |
|                                   | <b>MGI ID</b>         | <a href="#">99454</a>              |
|                                   | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000055980</a> |
|                                   | <b>Human Ortholog</b> | IRS1                               |

## Model Description

Exon 1 of *Irs1* gene was deleted to generate *Irs1* knockout mice.

**Research Application:** diabetes related

\*Literature published using this strain should indicate: *Irs1*-KO mice (Cat. NO. NM-KO-190827) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                                 |                     |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type 2 Diabetes Mellitus</b> | <b>Phenotype(s)</b> | <a href="#">MGI:2174965</a>                                                                                                                                                                                                                                                                                                             |
|                                 | <b>Reference(s)</b> | Tamemoto H, Kadowaki T, Tobe K, Yagi T, Sakura H, Hayakawa T, Terauchi Y, Ueki K, Kaburagi Y, Satoh S, Sekihara H, Yoshioka S, Horikoshi H, Furuta Y, Ikawa Y, Kasuga M, Yazaki Y, Aizawa S, Insulin resistance and growth retardation in mice lacking insulin receptor substrate-1 [see comments]. Nature. 1994 Nov 10;372(6502):182-6 |

## Validation Data

No data

