

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

[Tg\(TNNI2-icre\)1Vrmn; Sod2^{tm1Shs}/Sod2^{tm1Shs}](#)

RRID:MGI:4418358

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4418358

Description: Allele Detail: Transgenic, Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic, Targeted This is a legacy resource.

Phenotype: abnormal skeletal muscle morphology, adipose tissue phenotype, abnormal muscle contractility, abnormal enzyme/coenzyme level, abnormal enzyme/coenzyme activity, impaired exercise endurance, abnormal mitochondrion morphology, abnormal mitochondrial physiology, increased muscle cell glucose uptake, abnormal muscle physiology, abnormal tibialis anterior morphology, muscle phenotype, muscle fatigue, homeostasis/metabolism phenotype, growth/size/body region phenotype, decreased aerobic running capacity

Affected Gene: Sod2

Genomic Alteration: tm1Shs, Tg(TNNI2-icre)1Vrmn

Catalog Number: 4418358

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:19776389](#)

Organism Name: Tg(TNNI2-icre)1Vrmn; Sod2^{tm1Shs}/Sod2^{tm1Shs}

Record Creation Time: 20240120T190312+0000

Record Last Update: 20240130T201828+0000

Ratings and Alerts

No rating or validation information has been found for Tg(TNNI2-icre)1Vrmn; Sod2^{tm1Shs}/Sod2^{tm1Shs}.

No alerts have been found for Tg(TNNI2-icre)1Vrmn; Sod2^{tm1Shs}/Sod2^{tm1Shs}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.