

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

B6.Cg-Sod2^{tm1Cje}/Mmmh

RRID:MMRRC_000202-MU

Type: Organism

Proper Citation

RRID:MMRRC_000202-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=202

Proper Citation: RRID:MMRRC_000202-MU

Description: Mus musculus with name B6.Cg-Sod2^{tm1Cje}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cardiovascular, Cell Biology, Diabetes, Hematology, Metabolism, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased hematocrit [MP:0000208] enlarged heart [MP:0000274] thin ventricular wall [MP:0000280] abnormal liver physiology [MP:0000609] tremors [MP:0000745] abnormal skeletal muscle morphology [MP:0000759] abnormal forebrain morphology [MP:0000783] abnormal cerebral cortex morphology [MP:0000788] abnormal frontal lobe morphology [MP:0000798] abnormal hippocampus morphology [MP:0000807] abnormal thalamus morphology [MP:0000832] abnormal cerebellum morphology [MP:0000849] abnormal trigeminal V mesencephalic nucleus morphology [MP:0000906] abnormal trigeminal motor nucleus morphology [MP:0000911] abnormal motor neuron morphology [MP:0000937] decreased spinal cord size [MP:0000956] decreased body weight [MP:0001262] abnormal retina morphology [MP:0001325] abnormal optic nerve morphology [MP:0001330] ataxia [MP:0001393] impaired coordination [MP:0001405] abnormal gait [MP:0001406] impaired righting response [MP:0001523] cardiac hypertrophy [MP:0001625] postnatal growth retardation [MP:0001732] increased tumor incidence [MP:0002020] seizures [MP:0002064] premature death [MP:0002083] abnormal brain morphology [MP:0002152] hyperoxia [MP:0002319] abnormal blood gas level [MP:0002329] increased circulating ketone body level [MP:0002575] hepatic steatosis [MP:0002628] spongiform encephalopathy [MP:0002654] dilated heart left ventricle [MP:0002753] dilated heart right ventricle [MP:0002754] dilated cardiomyopathy [MP:0002795] increased heart weight [MP:0002833] fatigue [MP:0002899] increased circulating alkaline phosphatase level

[MP:0002968]] increased liver weight [MP:0002981]] abnormal blood pH regulation [MP:0003027]] acidosis [MP:0003031]] hypocapnia [MP:0003032]] abnormal skeletal muscle fiber morphology [MP:0003084]] cardiac fibrosis [MP:0003141]] calcinosis [MP:0003195]] neuron degeneration [MP:0003224]] oxidative stress [MP:0003674]] pallor [MP:0003717]] abnormal retinal photoreceptor layer morphology [MP:0003728]] increased hepatocyte apoptosis [MP:0003887]] hypotonia [MP:0004144]] decreased fetal size [MP:0004200]] decreased spinal cord ventral horn cell number [MP:0005113]] abnormal retinal pigment epithelium morphology [MP:0005201]] abnormal brainstem morphology [MP:0005277]] abnormal enzyme/coenzyme level [MP:0005319]] increased circulating aspartate transaminase level [MP:0005343]] axon degeneration [MP:0005405]] decreased circulating glucose level [MP:0005560]] increased blood urea nitrogen level [MP:0005565]] abnormal cell physiology [MP:0005621]] abnormal mitochondrial physiology [MP:0006036]] brain vacuoles [MP:0008025]] thin retinal inner nuclear layer [MP:0008511]] decreased neuron number [MP:0008948]] decreased skeletal muscle fiber size [MP:0009400]] abnormal blood homeostasis [MP:0009642]] abnormal urine homeostasis [MP:0009643]] aciduria [MP:0010028]] abnormal respiratory electron transport chain [MP:0010955]] abnormal aerobic respiration [MP:0010957]] abnormal tricarboxylic acid cycle [MP:0010958]] decreased body surface temperature [MP:0011015]] postnatal lethality [MP:0011085]] complete penetrance [MP:0011089]] perinatal lethality [MP:0011109]] complete penetrance [MP:0012431]] lethality throughout fetal growth and development [MP:0012551]] incomplete penetrance [MP:0013404]] increased lymphoma incidence [MP:0020543]]

Affected Gene: Sod2

Catalog Number: 000202-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:7493016](#), [PMID:11677043](#), [PMID:9774481](#)

Alternate IDs: MMRRC_202-MU, MMRRC_000202, MMRRC_22

Organism Name: B6.Cg-Sod2^{tm1Cje}/Mmmh

Record Creation Time: 20230308T054751+0000

Record Last Update: 20260801T123203+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Sod2^{tm1Cje}/Mmmh.

No alerts have been found for B6.Cg-Sod2^{tm1Cje}/Mmmh.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.