

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

[B6.129S2-Nos2^{tm1Mrl}/TacMmnc](#)

RRID:MMRRC_037397-UNC

Type: Organism

Proper Citation

RRID:MMRRC_037397-UNC

Organism Information

URL:

Proper Citation: RRID:MMRRC_037397-UNC

Description: Mutation type: Targeted Mutation This is a legacy resource.

Species: Mus musculus

Notes: Mutation type: Targeted Mutation This is a legacy resource.

Phenotype: abnormal osteoclast morphology [MP:0004982], abnormal osteoclast differentiation [MP:0008396], decreased osteoclast cell number [MP:0004985], abnormal osteoclast physiology [MP:0001541], increased bone mineral density [MP:0000062], increased bone volume [MP:0010875], increased compact bone mass [MP:0010961], abnormal tooth hard tissue morphology [MP:0003930], abnormal response to infection [MP:0005025], increased circulating prolactin level [MP:0005124], abnormal involution of the mammary gland [MP:0006271], abnormal mammary gland physiology [MP:0001881], hyperlactation [MP:0013717], reproductive system phenotype [MP:0005389], decreased survivor rate [MP:0008770], premature death [MP:0002083], increased body weight [MP:0001260], abnormal eosinophil cell number [MP:0002602], decreased eosinophil cell number [MP:0005012], abnormal immune system physiology [MP:0001790], increased IgG2a level [MP:0008500], abnormal macrophage physiology [MP:0002451], increased interferon-gamma secretion [MP:0008566], decreased susceptibility to endotoxin shock [MP:0008734], increased inflammatory response [MP:0001846], increased susceptibility to bacterial infection [MP:0002412], cardiovascular system phenotype [MP:0005385], abnormal induced retinal neovascularization [MP:0009660], abnormal heart right ventricle pressure [MP:0010755], abnormal homeostasis [MP:0001764], abnormal platelet aggregation [MP:0009548], decreased urine prostaglandin level [MP:0011564], abnormal bone healing [MP:0002999], delayed wound healing [MP:0002908], abnormal vitreous body morphology [MP:0002699], abnormal trabecular bone morphology [MP:0000130], abnormal cardiovascular system morphology [MP:0002127], abnormal uterine artery morphology [MP:0003995], atherosclerotic lesions [MP:0005338], abnormal heart ventricle

morphology [MP:0005294], abnormal cardiovascular system physiology [MP:0001544], abnormal blood circulation [MP:0002128], increased systemic arterial blood pressure [MP:0002842], increased mean systemic arterial blood pressure [MP:0004875], increased systemic arterial systolic blood pressure [MP:0006144], increased myocardial infarction size [MP:0003037], homeostasis/metabolism phenotype [MP:0005376], abnormal blood homeostasis [MP:0009642], increased circulating creatinine level [MP:0005553], increased circulating cholesterol level [MP:0005178], increased circulating triglyceride level [MP:0001552], abnormal circulating serum albumin level [MP:0000199], abnormal glucose homeostasis [MP:0002078], abnormal circulating glucose level [MP:0000188], improved glucose tolerance [MP:0005292], increased insulin sensitivity [MP:0002891], abnormal hormone level [MP:0003953], abnormal circulating estradiol level [MP:0005183], decreased adiponectin level [MP:0004893], abnormal adrenocorticotropin level [MP:0003966], increased renin activity [MP:0005582], decreased cerebral infarction size [MP:0006058], decreased susceptibility to kidney reperfusion injury [MP:0004042], abnormal uterus morphology [MP:0001120], prolonged diestrus [MP:0009011], decreased litter size [MP:0001935], nervous system phenotype [MP:0003631], neuron degeneration [MP:0003224], abnormal peripheral nervous system regeneration [MP:0004220], increased food intake [MP:0011939], abnormal motor capabilities/coordination/movement [MP:0002066], abnormal sensory capabilities/reflexes/nociception [MP:0002067], abnormal response to tactile stimuli [MP:0005316], allodynia [MP:0003177], abnormal thermal nociception [MP:0002733], pancreas inflammation [MP:0001869], increased length of allograft survival [MP:0004751], increased growth rate [MP:0002865], abnormal digestion [MP:0001664], decreased digestive secretion [MP:0000505], liver fibrosis [MP:0003333], increased susceptibility to experimental autoimmune encephalomyelitis [MP:0004799]

Affected Gene: Nos2

Genomic Alteration: (null)

Catalog Number: 037397-UNC

Background: Targeted Mutation

Database: MMRRRC, Mutant Mouse Resource Research Centers (MMRRRC)

Database Abbreviation: MMRRRC

Availability: Not Available

Organism Name: B6.129S2-Nos2^{tm1Mrl}/TacMmnc

Record Creation Time: 20240120T185715+0000

Record Last Update: 20240131T154015+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Nos2^{tm1Mrl}/TacMmnc.

No alerts have been found for B6.129S2-Nos2^{tm1Mrl}/TacMmnc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MMRRC, Mutant Mouse Resource Research Centers (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.