

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

[Nos2^{tm1Lau}/Nos2^{tm1Lau}](#)

RRID:MGI:3621556

Type: Organism

Proper Citation

RRID:MGI:3621556

Organism Information

URL:

Proper Citation: RRID:MGI:3621556

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

Species: Mus musculus

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

Phenotype: increased left ventricle developed pressure, abnormal platelet physiology, abnormal blood coagulation, abnormal heart ventricle morphology, abnormal bone structure, abnormal bone mineralization, abnormal osteoclast morphology, increased susceptibility to pharmacologically induced seizures, enhanced wound healing, improved central nervous system regeneration, abnormal frequency of paradoxical sleep, abnormal eating behavior, abnormal myocardium layer morphology, decreased systemic arterial systolic blood pressure, abnormal glucose homeostasis, abnormal corpus callosum morphology, decreased oligodendrocyte number, decreased susceptibility to induced colitis, abnormal respiratory bronchiole morphology, abnormal respiratory system physiology, cardiovascular system phenotype, decreased susceptibility to induced choroidal neovascularization, respiratory system phenotype, abnormal physiological neovascularization, increased mortality induced by ionizing radiation, abnormal heart morphology, mortality/aging

Affected Gene: Nos2

Genomic Alteration: tm1Lau

Catalog Number: 3621556

Background: B6.129P2-Nos2

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12738065](#), [PMID:16460714](#), [PMID:11504701](#), [PMID:11751989](#), [PMID:16055518](#), [PMID:11920687](#), [PMID:15520837](#), [PMID:12054156](#), [PMID:12879252](#), [PMID:11509452](#), [PMID:14617760](#), [PMID:16876161](#), [PMID:15546953](#), [PMID:14665440](#), [PMID:11435211](#)

Organism Name: Nos2^{tm1Lau}/Nos2^{tm1Lau}

Record Creation Time: 20240120T190601+0000

Record Last Update: 20240130T202006+0000

Ratings and Alerts

No rating or validation information has been found for Nos2^{tm1Lau}/Nos2^{tm1Lau}.

No alerts have been found for Nos2^{tm1Lau}/Nos2^{tm1Lau}.

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.