

Resource Summary Report

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

[Nos1^{tm1Plh}/Nos1^{tm1Plh}](#)

RRID:MGI:3618910

Type: Organism

Proper Citation

RRID:MGI:3618910

Organism Information

URL:

Proper Citation: RRID:MGI:3618910

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

Species: Mus musculus

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

Phenotype: abnormal gastroesophageal sphincter physiology, abnormal long term potentiation, cardiovascular system phenotype, vision/eye phenotype, impaired balance, behavior/neurological phenotype, abnormal blood circulation, nervous system phenotype, abnormal muscle physiology, abnormal muscle relaxation, nervous system phenotype, decreased synaptic glutamate release, abnormal muscle relaxation, decreased heart weight, altered response of heart to induced stress, abnormal vascular wound healing, decreased susceptibility to neuronal excitotoxicity, decreased body weight, decreased coronary flow rate, decreased susceptibility to injury, abnormal nervous system physiology, abnormal neutrophil physiology, abnormal gastroesophageal sphincter physiology, abnormal leukocyte adhesion, enhanced leukocyte tethering or rolling, behavior/neurological phenotype, absent long term depression, insulin resistance, decreased cerebral infarction size, decreased survivor rate, premature death, reproductive system phenotype

Affected Gene: Nos1

Genomic Alteration: tm1Plh

Catalog Number: 3618910

Background: involves: 129S4/SvJae

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10484454](#), [PMID:10652188](#), [PMID:12397095](#), [PMID:10077313](#), [PMID:8978606](#), [PMID:9692709](#), [PMID:15381772](#), [PMID:10905473](#), [PMID:7522345](#), [PMID:10444441](#), [PMID:8667023](#), [PMID:11438492](#), [PMID:7518615](#), [PMID:10677545](#), [PMID:11904450](#), [PMID:16024729](#), [PMID:10362674](#), [PMID:10456061](#), [PMID:12623792](#)

Organism Name: Nos1^{tm1Plh}/Nos1^{tm1Plh}

Record Creation Time: 20240120T190605+0000

Record Last Update: 20240130T202008+0000

Ratings and Alerts

No rating or validation information has been found for Nos1^{tm1Plh}/Nos1^{tm1Plh}.

No alerts have been found for Nos1^{tm1Plh}/Nos1^{tm1Plh}.

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.