

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

## [Nos1<sup>tm1Plh</sup>/Nos1<sup>tm1Plh</sup>](#)

RRID:MGI:3618910

Type: Organism

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### Proper Citation

RRID:MGI:3618910

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### 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<sup>tm1Plh</sup>/Nos1<sup>tm1Plh</sup>

**Record Creation Time:** 20240120T190605+0000

**Record Last Update:** 20240130T202008+0000

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## Ratings and Alerts

No rating or validation information has been found for Nos1<sup>tm1Plh</sup>/Nos1<sup>tm1Plh</sup>.

No alerts have been found for Nos1<sup>tm1Plh</sup>/Nos1<sup>tm1Plh</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.