

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

B6.129S4-Nos1^{tm1Plh}/J

RRID:IMSR_JAX:002986

Type: Organism

Proper Citation

RRID:IMSR_JAX:002986

Organism Information

URL: <https://www.jax.org/strain/002986>

Proper Citation: RRID:IMSR_JAX:002986

Description: Mus musculus with name B6.129S4-Nos1^{tm1Plh}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: nitric oxide synthase 1; neuronal; mutant strain|congenic strain: Nos1

Affected Gene: nitric oxide synthase 1; neuronal

Genomic Alteration: targeted mutation 1; Paul L Huang

Catalog Number: JAX:002986

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Nos1^{tm1Plh}/J

Record Creation Time: 20250513T053636+0000

Record Last Update: 20260829T044926+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Nos1^{tm1Plh}/J.

No alerts have been found for B6.129S4-Nos1^{tm1Plh}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Coelho DR, et al. (2023) SOCS1 regulates a subset of NF- κ B-target genes through direct chromatin binding and defines macrophage functional phenotypes. *iScience*, 26(4), 106442.

Lautz T, et al. (2018) Midkine Controls Arteriogenesis by Regulating the Bioavailability of Vascular Endothelial Growth Factor A and the Expression of Nitric Oxide Synthase 1 and 3. *EBioMedicine*, 27, 237.

Paul EJ, et al. (2018) nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. *eNeuro*, 5(5).