

Resource Summary Report

Generated by [kravitz2](#) on Sep 18, 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: 20260912T060420+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 [kravitz2](#) .

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).