

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

B6;129S2-Nr4a1^{tm1Jmi}/J

RRID:IMSR_JAX:006187

Type: Organism

Proper Citation

RRID:IMSR_JAX:006187

Organism Information

URL: <https://www.jax.org/strain/006187>

Proper Citation: RRID:IMSR_JAX:006187

Description: Mus musculus with name B6;129S2-Nr4a1^{tm1Jmi}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S2-Nr4a1/J

Notes: gene symbol note: nuclear receptor subfamily 4; group A; member 1; mutant stock: Nr4a1

Affected Gene: nuclear receptor subfamily 4; group A; member 1

Genomic Alteration: targeted mutation 1; Jeffrey Milbrandt

Catalog Number: JAX:006187

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S2-Nr4a1^{tm1Jmi}/J

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260912T060440+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S2-Nr4a1^{tm1Jmi}/J.

No alerts have been found for B6;129S2-Nr4a1^{tm1Jmi}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Perrotta S, et al. (2025) A heart-brain-spleen axis controls cardiac remodeling to hypertensive stress. *Immunity*, 58(3), 648.

Han S, et al. (2022) A novel monocyte differentiation pattern in pristane-induced lupus with diffuse alveolar hemorrhage. *eLife*, 11.

Brooks JF, et al. (2021) Negative feedback by NUR77/Nr4a1 restrains B cell clonal dominance during early T-dependent immune responses. *Cell reports*, 36(9), 109645.

Auger JP, et al. (2020) Inflammatory Monocytes and Neutrophils Regulate Streptococcus suis-Induced Systemic Inflammation and Disease but Are Not Critical for the Development of Central Nervous System Disease in a Mouse Model of Infection. *Infection and immunity*, 88(3).

He L, et al. (2020) A Regulation Loop between YAP and NR4A1 Balances Cell Proliferation and Apoptosis. *Cell reports*, 33(3), 108284.

Gordan S, et al. (2019) The Immunological Organ Environment Dictates the Molecular and Cellular Pathways of Cytotoxic Antibody Activity. *Cell reports*, 29(10), 3033.

Noviski M, et al. (2018) IgM and IgD B cell receptors differentially respond to endogenous antigens and control B cell fate. *eLife*, 7.

Hu M, et al. (2017) Celastrol-Induced Nur77 Interaction with TRAF2 Alleviates Inflammation by Promoting Mitochondrial Ubiquitination and Autophagy. *Molecular cell*, 66(1), 141.

Yáñez A, et al. (2017) Granulocyte-Monocyte Progenitors and Monocyte-Dendritic Cell Progenitors Independently Produce Functionally Distinct Monocytes. *Immunity*, 47(5), 890.

Carlin LM, et al. (2013) Nr4a1-dependent Ly6C(low) monocytes monitor endothelial cells and orchestrate their disposal. *Cell*, 153(2), 362.

Dai A, et al. (2012) Orphan nuclear receptor Nur77 regulates androgen receptor gene expression in mouse ovary. *PloS one*, 7(6), e39950.