

Resource Summary Report

Generated by T1D on Sep 22, 2026

B6;129-Gt(ROSA)26Sor^{tm5(CAG-Sun1/sfGFP)}Nat/J

RRID:IMSR_JAX:021039

Type: Organism

Proper Citation

RRID:IMSR_JAX:021039

Organism Information

URL: <https://www.jax.org/strain/021039>

Proper Citation: RRID:IMSR_JAX:021039

Description: Mus musculus with name B6;129-Gt(ROSA)26Sor^{tm5(CAG-Sun1/sfGFP)}Nat/J from IMSR.

Species: Mus musculus

Synonyms: B6;129-Gt(ROSA)26Sor/J

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano|Sad1 and UNC84 domain containing 1||Myc proto-oncogene; bHLH transcription factor; mutant stock: Gt(ROSA)26Sor|Sun1||Myc

Affected Gene: gene trap ROSA 26; Philippe Soriano|Sad1 and UNC84 domain containing 1||Myc proto-oncogene; bHLH transcription factor

Genomic Alteration: targeted mutation 5; Jeremy Nathans

Catalog Number: JAX:021039

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129-Gt(ROSA)26Sor^{tm5(CAG-Sun1/sfGFP)}Nat/J

Record Creation Time: 20250513T053742+0000

Record Last Update: 20260919T054929+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Gt(ROSA)26Sor^{tm5}(CAG-Sun1/sfGFP)Nat/J.

No alerts have been found for B6;129-Gt(ROSA)26Sor^{tm5}(CAG-Sun1/sfGFP)Nat/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 69 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Gruber T, et al. (2026) Midbrain Tet1 dosage defines inter-individual binge-eating susceptibility. bioRxiv : the preprint server for biology.

Séjourné G, et al. (2026) γ -catenin controls layer-specific transcriptional maturation of astrocytes via Zbtb20. bioRxiv : the preprint server for biology.

Hill RZ, et al. (2026) Renal PIEZO2 is an essential regulator of renin. Cell, 189(1), 161.

Vijatovic D, et al. (2026) Multifold increase in spinal inhibitory cell types with emergence of limb movement. Cell reports, 45(4), 117227.

Xu QJ, et al. (2026) The intrinsic cardiac nervous system is essential for cardiac function and survival. Cell.

Pena-Ortiz MA, et al. (2026) Astrocytic Chromatin Remodeler ATRX Gates Hippocampal Memory Consolidation Through Metabolic and Synaptic Regulation. Glia, 74(1), e70098.

Gómez-Deza J, et al. (2026) ATF2 phosphorylation is a core transcriptional driver of neuron apoptosis. Neuron, 114(12), 2183.

Thapa C, et al. (2025) Diverse Transcriptional Alterations in V2a Propriospinal Neurons Following Spinal Cord Injury. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(48).

Sun Z, et al. (2025) Intestinal-region-specific functions of AHR in intrinsic enteric neurons during infections. Cell reports, 44(4), 115524.

Yue F, et al. (2025) Mitochondrial fatty acid oxidation regulates adult muscle stem cell function through modulating metabolic flux and protein acetylation. The EMBO journal, 44(9), 2566.

Zeppilli S, et al. (2025) Single-cell genomics of the mouse olfactory cortex reveals contrasts with neocortex and ancestral signatures of cell type evolution. Nature

neuroscience, 28(5), 937.

Shafiq S, et al. (2025) Microglial deficiency in the ATRX chromatin remodeler elicits a viral mimicry immune response that impacts neuronal function and behavior. PLoS biology, 23(9), e3002659.

Kaltenecker D, et al. (2025) Functional liver genomics identifies hepatokines promoting wasting in cancer cachexia. Cell, 188(17), 4549.

Gaertner Z, et al. (2025) Molecular and spatial transcriptomic classification of midbrain dopamine neurons and their alterations in a LRRK2G2019S model of Parkinson's disease. eLife, 13.

Ries C, et al. (2025) Neuropeptide CRH prevents premature differentiation of OPCs following CNS injury and in early postnatal development. Cell reports, 44(11), 116474.

Xu QJ, et al. (2025) Two Specialized Intrinsic Cardiac Neuron Types Safeguard Heart Homeostasis and Stress Resilience. bioRxiv : the preprint server for biology.

Wang Y, et al. (2025) Bi-directional communication between intrinsic enteric neurons and ILC2s inhibits host defense against helminth infection. Immunity, 58(2), 465.

Alkaslasi MR, et al. (2025) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. Nature communications, 16(1), 1097.

Young RE, et al. (2025) Disruption of E-cadherin in the airway led to dysplastic stressed cells and asthma-like phenotypes. Developmental cell.

Lowry ER, et al. (2024) Embryonic motor neuron programming factors reactivate immature gene expression and suppress ALS pathologies in postnatal motor neurons. bioRxiv : the preprint server for biology.