

Resource Summary Report

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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||Myc proto-oncogene; bHLH transcription factor|Sad1 and UNC84 domain containing 1; mutant stock: Gt(ROSA)26Sor||Myc|Sun1

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

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: 20260725T044449+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 63 mentions in open access literature.

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

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

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

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

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.

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.

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.

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

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

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.

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*.

Fait BW, et al. (2024) Spontaneously regenerative corticospinal neurons in mice. *bioRxiv : the preprint server for biology*.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. *Cell*, 187(19), 5393.

Gaertner Z, et al. (2024) Molecular and spatial transcriptomic classification of midbrain dopamine neurons and their alterations in a LRRK2G2019S model of Parkinson's disease. *bioRxiv : the preprint server for biology*.

Alkaslasi MR, et al. (2024) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. *bioRxiv : the preprint server for biology*.

Carmona LM, et al. (2024) Topographical and cell type-specific connectivity of rostral and caudal forelimb corticospinal neuron populations. *Cell reports*, 43(4), 113993.

Del Blanco B, et al. (2024) Kdm1a safeguards the topological boundaries of PRC2-repressed genes and prevents aging-related euchromatinization in neurons. *Nature communications*, 15(1), 1781.