

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

B6;129-Gt(ROSA)26Sor^{tm2Sho}/J

RRID:IMSR_JAX:004077

Type: Organism

Proper Citation

RRID:IMSR_JAX:004077

Organism Information

URL: <https://www.jax.org/strain/004077>

Proper Citation: RRID:IMSR_JAX:004077

Description: Mus musculus with name B6;129-Gt(ROSA)26Sor^{tm2Sho}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano; mutant stock: |Gt(ROSA)26Sor

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 2; Stuart Orkin

Catalog Number: JAX:004077

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129-Gt(ROSA)26Sor^{tm2Sho}/J

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260725T044352+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Gt(ROSA)26Sor^{tm2Sho}/J.

No alerts have been found for B6;129-Gt(ROSA)26Sor^{tm2Sho}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Francois M, et al. (2025) Leptin receptor neurons in the dorsomedial hypothalamus require distinct neuronal subsets for thermogenesis and weight loss. *Metabolism: clinical and experimental*, 163, 156100.

Zhou B, et al. (2024) Identification of signaling pathways that specify a subset of migrating enteric neural crest cells at the wavefront in mouse embryos. *Developmental cell*, 59(13), 1689.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. *Cell reports*, 43(3), 113931.

Jiang Y, et al. (2023) GABAergic leptin receptor-expressing neurons in the dorsomedial hypothalamus project to brown adipose tissue-related neurons in the paraventricular nucleus of mice. *Autonomic neuroscience : basic & clinical*, 245, 103058.

Sancho-Balsells A, et al. (2023) Cognitive and Emotional Symptoms Induced by Chronic Stress Are Regulated by EGR1 in a Subpopulation of Hippocampal Pyramidal Neurons. *International journal of molecular sciences*, 24(4).

Amorim MR, et al. (2021) The Effect of DREADD Activation of Leptin Receptor Positive Neurons in the Nucleus of the Solitary Tract on Sleep Disordered Breathing. *International journal of molecular sciences*, 22(13).

Beekly BG, et al. (2020) Dissociated Pmch and Cre Expression in Lactating Pmch-Cre BAC Transgenic Mice. *Frontiers in neuroanatomy*, 14, 60.

Garcia-Galiano D, et al. (2020) ER α Signaling in GHRH/Kiss1 Dual-Phenotype Neurons Plays Sex-Specific Roles in Growth and Puberty. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(49), 9455.

Ma R, et al. (2020) Metabolic and non-metabolic liver zonation is established non-synchronously and requires sinusoidal Wnts. *eLife*, 9.

Bruschetta G, et al. (2020) MC4R Signaling in Dorsal Raphe Nucleus Controls Feeding, Anxiety, and Depression. *Cell reports*, 33(2), 108267.

Yang CF, et al. (2020) Monosynaptic Projections to Excitatory and Inhibitory preBötzing Complex Neurons. *Frontiers in neuroanatomy*, 14, 58.

Li Y, et al. (2018) Conditional Deletion of FOXL2 and SMAD4 in Gonadotropes of Adult Mice Causes Isolated FSH Deficiency. *Endocrinology*, 159(7), 2641.

Shi H, et al. (2018) Hippo Kinases Mst1 and Mst2 Sense and Amplify IL-2R-STAT5 Signaling in Regulatory T Cells to Establish Stable Regulatory Activity. *Immunity*, 49(5), 899.

Yao J, et al. (2017) Vascular endothelium plays a key role in directing pulmonary epithelial cell differentiation. *The Journal of cell biology*, 216(10), 3369.

Varadarajan SG, et al. (2017) Netrin1 Produced by Neural Progenitors, Not Floor Plate Cells, Is Required for Axon Guidance in the Spinal Cord. *Neuron*, 94(4), 790.

Ren H, et al. (2013) Blunted refeeding response and increased locomotor activity in mice lacking FoxO1 in synapsin-Cre-expressing neurons. *Diabetes*, 62(10), 3373.

Heffner CS, et al. (2012) Supporting conditional mouse mutagenesis with a comprehensive cre characterization resource. *Nature communications*, 3, 1218.

Nern C, et al. (2009) Fusion of hematopoietic cells with Purkinje neurons does not lead to stable heterokaryon formation under noninvasive conditions. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 29(12), 3799.