

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6J.129(B6N)-Gt(ROSA)26Sor^{tm1(CAG-cas9*.-EGFP)}Fezh/J

RRID:IMSR_JAX:026175

Type: Organism

Proper Citation

RRID:IMSR_JAX:026175

Organism Information

URL: <https://www.jax.org/strain/026175>

Proper Citation: RRID:IMSR_JAX:026175

Description: Mus musculus with name B6J.129(B6N)-Gt(ROSA)26Sor^{tm1(CAG-cas9*.-EGFP)}Fezh/J from IMSR.

Species: Mus musculus

Synonyms: B6J.129(B6N)-Gt(ROSA)26Sor/J

Notes: gene symbol note: |CRISPR associated protein 9|gene trap ROSA 26; Philippe Soriano; mutant strain|congenic strain: |cas9|Gt(ROSA)26Sor

Affected Gene: |CRISPR associated protein 9|gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Feng Zhang

Catalog Number: JAX:026175

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.129(B6N)-Gt(ROSA)26Sor^{tm1(CAG-cas9*.-EGFP)}Fezh/J

Record Creation Time: 20250513T053756+0000

Record Last Update: 20260919T054941+0000

Ratings and Alerts

No rating or validation information has been found for B6J.129(B6N)-Gt(ROSA)26Sor^{tm1(CAG-cas9*.EGFP)Fezh/J}.

No alerts have been found for B6J.129(B6N)-Gt(ROSA)26Sor^{tm1(CAG-cas9*.EGFP)Fezh/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 56 mentions in open access literature.

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

Wang DM, et al. (2026) CaMKK γ regulates transcription factor Elf2 gene methylation to maintain endothelial junctional barrier integrity. *iScience*, 29(1), 114255.

Zhang H, et al. (2026) Uncovering spatially resolved functional genomics with CRISPR screen sequencing. *Cell*, 189(15), 4594.

Wang DM, et al. (2026) Protocol to generate endothelial cell-specific knockout mouse models using Cas9/Cdh5-Cre mice coupled with sgRNA. *STAR protocols*, 7(2), 104551.

Tsang AH, et al. (2026) Cav3.1 is a neuronal leucine sensor that mediates satiety and weight loss in response to dietary protein. *Cell metabolism*, 38(5), 876.

Peng Y, et al. (2026) A GABAergic network from AVP- to VIP-neurons in the suprachiasmatic nucleus sets the timing of circadian behavior rhythms. *PLoS biology*, 24(3), e3003706.

Shen N, et al. (2026) A genome-wide in vivo CRISPR screen identifies neuroprotective strategies in the mouse and human retina. *Neuron*.

Vasseur D, et al. (2026) Transcription Factor Subtype Governs Response and Resistance to DLL3-Directed T-Cell Engagement in Small Cell Lung Cancer. *bioRxiv : the preprint server for biology*.

Omachi K, et al. (2026) Glomerular basement membrane structural integrity dictates trans-tissue deposition of laminin in the kidney. *Cell reports*, 45(3), 117006.

Popek M, et al. (2026) Astrocytic TCF7L2 Impacts Brain Osmoregulation and Restricts Neuronal Excitability. *Glia*, 74(2), e70103.

Lu Y, et al. (2025) Functional Genetic Screens Reveal Key Pathways Instructing the Molecular Phenotypes of Tumor-Associated Macrophages. *Cancer immunology research*, 13(12), 2054.

Shen N, et al. (2025) A genome-wide in vivo CRISPR screen identifies neuroprotective strategies in the mouse and human retina. *bioRxiv : the preprint server for biology*.

Kolling LJ, et al. (2025) The superficial tufted and mitral cell output neurons of the mouse olfactory bulb have dual roles in insulin sensing. *bioRxiv : the preprint server for biology*.

Park J, et al. (2025) Astrocytic modulation of population encoding in mouse visual cortex via GABA transporter 3 revealed by multiplexed CRISPR/Cas9 gene editing. *eLife*, 14.

Woo MS, et al. (2025) The immunoproteasome disturbs neuronal metabolism and drives neurodegeneration in multiple sclerosis. *Cell*, 188(17), 4567.

Li Y, et al. (2025) EED Maintains the Small Cell Lung Cancer Neuroendocrine Phenotype and Drives Lung Cancer Histological Transformation. *bioRxiv : the preprint server for biology*.

Hong D, et al. (2025) Loss of NOTCH2 creates a TRIM28-dependent vulnerability in small cell lung cancer. *Developmental cell*.

Park JS, et al. (2025) L1CAM signaling through planar cell polarity generates SOX2 + metastatic progenitors in lung adenocarcinoma. *bioRxiv : the preprint server for biology*.

Tamura T, et al. (2025) mTOR-mediated p62/SQSTM1 stabilization confers a robust survival mechanism for ovarian cancer. *Cancer letters*, 616, 217565.

Xiao D, et al. (2025) AAV-mediated inhibition of endothelial IL-1 β /IL-1R1 signaling alleviates the development of sepsis-associated encephalopathy. *Archives of biochemistry and biophysics*, 772, 110535.

Kohno D, et al. (2025) FTO promotes weight gain via altering Kif1a splicing and axonal vesicle trafficking in AgRP neurons. *The EMBO journal*, 44(18), 4919.