

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 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: 20260801T050506+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 48 mentions in open access literature.

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

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

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

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.

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.

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.

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.

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

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.

Decoster L, et al. (2024) A GnRH neuronal population in the olfactory bulb translates socially relevant odors into reproductive behavior in male mice. *Nature neuroscience*, 27(9), 1758.

Miyazaki Y, et al. (2024) Oligodendrocyte-derived LGI3 and its receptor ADAM23 organize juxtaparanodal Kv1 channel clustering for short-term synaptic plasticity. *Cell reports*, 43(1), 113634.

Kim G, et al. (2024) Gut-liver axis calibrates intestinal stem cell fitness. *Cell*, 187(4), 914.

Lee JH, et al. (2024) TGF- β and RAS jointly unmask primed enhancers to drive metastasis. *Cell*, 187(22), 6182.

Woo MS, et al. (2024) STING orchestrates the neuronal inflammatory stress response in multiple sclerosis. *Cell*, 187(15), 4043.

Sekiya T, et al. (2024) Tonic TCR and IL-1 β signaling mediate phenotypic alterations of naive CD4⁺ T cells. *Cell reports*, 43(3), 113954.

Haddad R, et al. (2024) Localized translation and sarcomere maintenance requires ribosomal protein SA in mice. *The Journal of clinical investigation*, 134(13).

Sung K, et al. (2024) ErbB4 precludes the occurrence of PTSD-like fear responses by supporting the bimodal activity of the central amygdala. *Experimental & molecular medicine*, 56(12), 2703.