

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 11, 2025

B6N.129-Rpl22^{tm1.1}Psam/J

RRID:IMSR_JAX:011029

Type: Organism

Proper Citation

RRID:IMSR_JAX:011029

Organism Information

URL: <https://www.jax.org/strain/011029>

Proper Citation: RRID:IMSR_JAX:011029

Description: Mus musculus with name B6N.129-Rpl22^{tm1.1}Psam/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Rpl22/J

Notes: gene symbol note: ribosomal protein L22; mutant strain|congenic strain: Rpl22

Affected Gene: ribosomal protein L22

Genomic Alteration: targeted mutation 1.1; Paul S Amieux

Catalog Number: JAX:011029

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:11029

Organism Name: B6N.129-Rpl22^{tm1.1}Psam/J

Record Creation Time: 20230509T193303+0000

Record Last Update: 20240104T174941+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129-Rpl22^{tm1.1Psam/J}.

No alerts have been found for B6N.129-Rpl22^{tm1.1Psam/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 55 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Biltz RG, et al. (2025) Repeated social defeat in male mice induced unique RNA profiles in projection neurons from the amygdala to the hippocampus. *Brain, behavior, & immunity - health*, 43, 100908.

Caccavano AP, et al. (2024) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. *bioRxiv : the preprint server for biology*.

Asghari Adib E, et al. (2024) DLK signaling in axotomized neurons triggers complement activation and loss of upstream synapses. *Cell reports*, 43(2), 113801.

Gonzales J, et al. (2024) Early life adversity promotes gastrointestinal dysfunction through a sex-dependent phenotypic switch in enteric glia. *bioRxiv : the preprint server for biology*.

Huang TH, et al. (2023) Differential expression of GABAA receptor subunits $\alpha 1$ and $\alpha 6$ mediates tonic inhibition in parvalbumin and somatostatin interneurons in the mouse hippocampus. *Frontiers in cellular neuroscience*, 17, 1146278.

Bauer S, et al. (2023) Cerebellar granule neurons induce Cyclin D1 before the onset of motor symptoms in Huntington's disease mice. *Acta neuropathologica communications*, 11(1), 17.

Gruber T, et al. (2023) High-calorie diets uncouple hypothalamic oxytocin neurons from a gut-to-brain satiation pathway via μ -opioid signaling. *Cell reports*, 42(10), 113305.

Castro RW, et al. (2023) Aging alters mechanisms underlying voluntary movements in spinal motor neurons of mice, primates, and humans. *JCI insight*, 8(9).

Meltzer S, et al. (2023) ?-Protocadherins control synapse formation and peripheral branching of touch sensory neurons. *Neuron*, 111(11), 1776.

Xiao G, et al. (2022) IL-17/CXCL5 signaling within the oligovascular niche mediates human and mouse white matter injury. *Cell reports*, 41(12), 111848.

Kim N, et al. (2022) Optimized protocol for translome analysis of mouse brain endothelial cells. *PloS one*, 17(9), e0275036.

O'Shea TM, et al. (2022) Lesion environments direct transplanted neural progenitors towards a wound repair astroglial phenotype in mice. *Nature communications*, 13(1), 5702.

Guo N, et al. (2022) Transcriptional regulation of neural stem cell expansion in the adult hippocampus. *eLife*, 11.

Bravo-Ferrer I, et al. (2022) Cell-specific RNA purification to study translomes of mouse central nervous system. *STAR protocols*, 3(2), 101397.

Knoedler JR, et al. (2022) A functional cellular framework for sex and estrous cycle-dependent gene expression and behavior. *Cell*, 185(4), 654.

Diaz-Castro B, et al. (2021) Molecular and functional properties of cortical astrocytes during peripherally induced neuroinflammation. *Cell reports*, 36(6), 109508.

Hale CR, et al. (2021) FMRP regulates mRNAs encoding distinct functions in the cell body and dendrites of CA1 pyramidal neurons. *eLife*, 10.

Puentes-Mestri C, et al. (2021) Sleep Loss Drives Brain Region-Specific and Cell Type-Specific Alterations in Ribosome-Associated Transcripts Involved in Synaptic Plasticity and Cellular Timekeeping. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(25), 5386.

Acharjee S, et al. (2021) Characterization of microglial transcriptomes in the brain and spinal cord of mice in early and late experimental autoimmune encephalomyelitis using a RiboTag strategy. *Scientific reports*, 11(1), 14319.

Birsa N, et al. (2021) FUS-ALS mutants alter FMRP phase separation equilibrium and impair protein translation. *Science advances*, 7(30).