

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

B6N.129-Rpl22^{tm1.1Psam}/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^{tm1.1Psam}/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: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

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

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260829T045014+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: JAX Mice and Services

Usage and Citation Metrics

We found 60 mentions in open access literature.

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

Leduc-Pessah H, et al. (2026) Runx1 transcription factor modulates opioid analgesia and withdrawal in humans and rodents. *Neuron*, 114(5), 903.

Tang T, et al. (2026) Ribosomal Profiling of the Geniculate Ganglion Identifies the Receptor ALK as Critical for the Development and Maintenance of Oral Sensory Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(14).

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. (2025) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. *Neuron*, 113(11), 1805.

Gleichman AJ, et al. (2025) Regionally mapped astrocytic responses to cortical and white matter stroke show differential roles in astrocyte-induced vascular remodeling. *Neuron*, 113(24), 4178.

Goldberg AR, et al. (2025) Glioma-induced alterations in excitatory neurons are reversed by mTOR inhibition. *Neuron*, 113(6), 858.

Fan CY, et al. (2025) Divergent sex-specific pannexin-1 mechanisms in microglia and T cells underlie neuropathic pain. *Neuron*, 113(6), 896.

Nagao M, et al. (2025) Chromatin remodeler Chd7 regulates reactive astrogliosis after ischemic stroke. *Cell reports*, 44(12), 116590.

Tran TP, et al. (2024) Cortical projection neurons with distinct axonal connectivity employ ribosomal complexes with distinct protein compositions. *bioRxiv : the preprint server for biology*.

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.

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

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

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 transcriptome 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.