

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

B6J.129(Cg)-Rpl22^{tm1.1Psam}/SjJ

RRID:IMSR_JAX:029977

Type: Organism

Proper Citation

RRID:IMSR_JAX:029977

Organism Information

URL: <https://www.jax.org/strain/029977>

Proper Citation: RRID:IMSR_JAX:029977

Description: Mus musculus with name B6J.129(Cg)-Rpl22^{tm1.1Psam}/SjJ from IMSR.

Species: Mus musculus

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:029977

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.129(Cg)-Rpl22^{tm1.1Psam}/SjJ

Record Creation Time: 20250513T053812+0000

Record Last Update: 20260815T050723+0000

Ratings and Alerts

No rating or validation information has been found for B6J.129(Cg)-Rpl22^{tm1.1Psam}/SjJ.

No alerts have been found for B6J.129(Cg)-Rpl22^{tm1.1Psam}/SjJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Wang Y, et al. (2026) Injury-transduced SerpinOLs modulate neuroinflammation and glial activation in the diseased and non-diseased CNS. bioRxiv : the preprint server for biology.

Fatkhullina AR, et al. (2025) Medullary stromal cells define small intestinal lymph node identity in humans and mice. Cell reports, 44(10), 116441.

Naon C, et al. (2025) Translatome of dorsal striatum parvalbumin interneurons revisited: insights across diverse experimental paradigms. Frontiers in cellular neuroscience, 19, 1648461.

Tian M, et al. (2025) Deconstructing the intercellular interactome in vascular dementia with focal ischemia for therapeutic applications. Cell.

Liu X, et al. (2025) Discovery, delineation, and therapeutic targeting of a hyper-translation pathway driving cytokine release syndrome. Cell reports. Medicine, 102531.

Lorente-Echeverría B, et al. (2025) A dynamic gene regulatory code drives synaptic development of hippocampal granule cells. Science advances, 11(43), eadx5140.

Montemarano A, et al. (2025) Projection-defined ventral tegmental area neurons exhibit fentanyl-induced molecular and functional adaptations that differentially support drug-context associations. bioRxiv : the preprint server for biology.

Kim HD, et al. (2025) Transcriptional Profiling of D1-MSNs Reveals SIRT1-Dependent and -Independent Responses to Chronic Social Defeat Stress. bioRxiv : the preprint server for biology.

Iyilikci O, et al. (2025) Age-specific regulation of sociability by hypothalamic Agrp neurons. Current biology : CB.

Chen H, et al. (2025) Impaired macroautophagy in oligodendrocyte precursor cells suppresses neuronal plasticity via a senescence-associated signaling. Science advances, 11(39), eadq7665.

Ritchie EM, et al. (2025) Translatome analysis reveals cellular network in DLK-dependent hippocampal glutamatergic neuron degeneration. eLife, 13.

Aranda ML, et al. (2025) Genetic tuning of retinal ganglion cell subtype identity to drive visual behavior. Nature communications, 16(1), 8678.

Kapur M, et al. (2024) Cell-type-specific expression of tRNAs in the brain regulates cellular homeostasis. *Neuron*.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. *bioRxiv* : the preprint server for biology.

Profaci CP, et al. (2024) Microglia are not necessary for maintenance of blood-brain barrier properties in health, but PLX5622 alters brain endothelial cholesterol metabolism. *Neuron*, 112(17), 2910.

Kim HD, et al. (2024) SIRT1 Coordinates Transcriptional Regulation of Neural Activity and Modulates Depression-Like Behaviors in the Nucleus Accumbens. *Biological psychiatry*, 96(6), 495.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. *Nature communications*, 15(1), 10865.

Clarkson BD, et al. (2023) CD8+ T cells recognizing a neuron-restricted antigen injure axons in a model of multiple sclerosis. *The Journal of clinical investigation*, 133(21).

Cullen PF, et al. (2023) Rapid isolation of intact retinal astrocytes: a novel approach. *Acta neuropathologica communications*, 11(1), 154.

Clarkson BDS, et al. (2022) ISGylation is induced in neurons by demyelination driving ISG15-dependent microglial activation. *Journal of neuroinflammation*, 19(1), 258.