

Resource Summary Report

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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: 20260725T044516+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 34 mentions in open access literature.

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

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

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

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

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

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*.

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

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*.

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

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

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*.

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.

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

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 axoglia 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.

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.