Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 2, 2025

B6.129S-Chat$^{tm1(cre)Lowl}$/MwarJ

RRID:IMSR_JAX:031661
Type: Organism

Proper Citation

RRID:IMSR_JAX:031661

Organism Information

URL: https://www.jax.org/strain/031661

Proper Citation: RRID:IMSR_JAX:031661

Description: Mus musculus with name B6.129S-Chat$^{tm1(cre)Lowl}$/MwarJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: |choline acetyltransferase||choline acetyltransferase; mutant strain: |Chat||Chat

Affected Gene: |choline acetyltransferase||choline acetyltransferase

Genomic Alteration: targeted mutation 1; Bradford B Lowell

Catalog Number: JAX:031661

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:31661

Organism Name: B6.129S-Chat$^{tm1(cre)Lowl}$/MwarJ

Record Creation Time: 20230509T193335+0000

Record Last Update: 20240104T175202+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Chat$^{tm1(cre)Lowl}$/MwarJ.

No alerts have been found for B6.129S-Chat$^{tm1(cre)Lowl}$/MwarJ.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chander PR, et al. (2024) Neural Circuits Underlying Multifeature Extraction in the Retina. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(10).

Hamacher C, et al. (2024) A revised conceptual framework for mouse vomeronasal pumping and stimulus sampling. Current biology : CB, 34(6), 1206.

Dermentzaki G, et al. (2024) Depletion of Mettl3 in cholinergic neurons causes adult-onset neuromuscular degeneration. Cell reports, 43(4), 113999.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. Cell, 187(19), 5393.

Fallah M, et al. (2024) Inhibitory basal ganglia nuclei differentially innervate pedunculopontine nucleus subpopulations and evoke opposite motor and valence behaviors. bioRxiv : the preprint server for biology.

Liu YA, et al. (2024) Phase synchrony between prefrontal noradrenergic and cholinergic signals indexes inhibitory control. bioRxiv : the preprint server for biology.

Su Y, et al. (2024) Brainstem Dbh+ Neurons Control Chronic Allergen-Induced Airway Hyperreactivity. bioRxiv : the preprint server for biology.

Strain MM, et al. (2024) Dorsal motor vagal neurons can elicit bradycardia and reduce anxiety-like behavior. iScience, 27(3), 109137.

Billipp TE, et al. (2024) Tuft cell-derived acetylcholine promotes epithelial chloride secretion and intestinal helminth clearance. Immunity, 57(6), 1243.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote

peripheral injuries by the CCL2-CCR2 axis and microglia. Cell reports, 43(2), 113776.

Oliver Goral R, et al. (2024) Acetylcholine Neurons Become Cholinergic during Three Time Windows in the Developing Mouse Brain. eNeuro, 11(7).

Strain MM, et al. (2023) Early central cardiovagal dysfunction after high fat diet in a murine model. Scientific reports, 13(1), 6550.

Ichinose T, et al. (2023) Presynaptic depolarization differentially regulates dual neurotransmitter release from starburst amacrine cells in the mouse retina. Frontiers in ophthalmology, 3.

Frank MM, et al. (2023) Experience-dependent flexibility in a molecularly diverse central-to-peripheral auditory feedback system. eLife, 12.

Bohl JM, et al. (2023) Off Starburst Amacrine Cells in the Retina Trigger Looming-Evoked Fear Responses in Mice. eNeuro, 10(4).

Cavallaro J, et al. (2023) Dopamine D2 receptors in nucleus accumbens cholinergic interneurons increase impulsive choice. bioRxiv : the preprint server for biology.

Jalil M, et al. (2023) Molecular Disambiguation of Heart Rate Control by the Nucleus Ambiguus. bioRxiv : the preprint server for biology.

Cavallaro J, et al. (2023) Dopamine D2 receptors in nucleus accumbens cholinergic interneurons increase impulsive choice. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 48(9), 1309.

Oz O, et al. (2022) Non-uniform distribution of dendritic nonlinearities differentially engages thalamostriatal and corticostriatal inputs onto cholinergic interneurons. eLife, 11.

Meah A, et al. (2022) Axonal architecture of the mouse inner retina revealed by second harmonic generation. PNAS nexus, 1(4), pgac160.