Resource Summary Report

Generated by dkNET on Aug 2, 2026

B6.Cg-Tg(Pcp2-cre)3555Jdhu/J

RRID:IMSR_JAX:010536
Type: Organism

Proper Citation

RRID:IMSR_JAX:010536

Organism Information

URL: https://www.jax.org/strain/010536

Proper Citation: RRID:IMSR_JAX:010536

Description: Mus musculus with name B6.Cg-Tg(Pcp2-cre)3555Jdhu/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Purkinje cell protein 2 (L7)|transgene insertion 3555; Jian-Dong Huang|; congenic strain: Pcp2|Tg(Pcp2-cre)3555Jdhu|

Affected Gene: Purkinje cell protein 2 (L7)|transgene insertion 3555; Jian-Dong Huang|

Genomic Alteration: transgene insertion 3555; Jian-Dong Huang

Catalog Number: JAX:010536

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Pcp2-cre)3555Jdhu/J

Record Creation Time: 20250513T053716+0000

Record Last Update: 20260801T050420+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Pcp2-cre)3555Jdhu/J.

No alerts have been found for B6.Cg-Tg(Pcp2-cre)3555Jdhu/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Angeles-Perez L, et al. (2025) Cerebellar contributions to tau-mediated cognitive and behavioral dysfunction. Cell reports, 44(8), 116036.

Lee JH, et al. (2025) Processing reliant on granule cells is essential for motor learning but dispensable for social preference and numerous other cerebellar-dependent behaviors. Nature communications, 16(1), 6101.

Huang H, et al. (2025) Resilience to Endoplasmic Reticulum Stress Mitigates Membrane Hyperexcitability Underlying Late Disease Onset in a Murine Model of SCA6. Annals of neurology.

Chen CH, et al. (2025) Characterization of direct Purkinje cell outputs to the brainstem. eLife, 13.

Huang H, et al. (2025) Resilience to Endoplasmic Reticulum Stress Mitigates Calcium-Dependent Membrane Hyperexcitability Underlying Late Disease Onset in SCA6. bioRxiv : the preprint server for biology.

Brown ST, et al. (2025) High-speed voltage imaging of action potentials in molecular layer interneurons reveals sensory-driven synchrony that augments movement. Cell reports, 44(8), 116148.

Zolboot N, et al. (2025) MicroRNA mechanisms instructing Purkinje cell specification. Neuron, 113(10), 1629.

Jahncke JN, et al. (2024) Tools for Cre-Mediated Conditional Deletion of Floxed Alleles from Developing Cerebellar Purkinje Cells. eNeuro, 11(6).

Blot FGC, et al. (2023) Purkinje cell microzones mediate distinct kinematics of a single movement. Nature communications, 14(1), 4358.

Lee JH, et al. (2023) Cerebellar granule cell signaling is indispensable for normal motor performance. Cell reports, 42(5), 112429.

Tang FS, et al. (2022) Glutamate Transporters EAAT2 and EAAT5 Differentially Shape Synaptic Transmission from Rod Bipolar Cell Terminals. eNeuro, 9(3).

Halverson HE, et al. (2022) Feedback inhibition underlies new computational functions of cerebellar interneurons. eLife, 11.

Shuster SA, et al. (2022) In situ cell-type-specific cell-surface proteomic profiling in mice. Neuron, 110(23), 3882.

van der Heijden ME, et al. (2022) Influence of data sampling methods on the representation of neural spiking activity in??vivo. iScience, 25(11), 105429.

Liang CQ, et al. (2021) Calmodulin Bidirectionally Regulates Evoked and Spontaneous Neurotransmitter Release at Retinal Ribbon Synapses. eNeuro, 8(1).

Guo C, et al. (2021) Purkinje cell outputs selectively inhibit a subset of unipolar brush cells in the input layer of the cerebellar cortex. eLife, 10.

Fanning AS, et al. (2021) Population calcium responses of Purkinje cells in the oculomotor cerebellum driven by nonvisual input. Journal of neurophysiology, 126(4), 1391.

Zhou Q, et al. (2021) Celsr3 is required for Purkinje cell maturation and regulates cerebellar postsynaptic plasticity. iScience, 24(7), 102812.

Lowden C, et al. (2021) Homeostatic control of nuclear-encoded mitochondrial gene expression by the histone variant H2A.Z is essential for neuronal survival. Cell reports, 36(11), 109704.

Pisano TJ, et al. (2021) Homologous organization of cerebellar pathways to sensory, motor, and associative forebrain. Cell reports, 36(12), 109721.