

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 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.