# Resource Summary Report

Generated by NIF on Aug 24, 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: transgene insertion 3555; Jian-Dong Huang||Purkinje cell protein 2 (L7); congenic strain: Tg(Pcp2-cre)3555Jdhu||Pcp2

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

**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:** 20260815T050626+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 33 mentions in open access literature.

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


Oostland M, et al. (2026) Cerebellar acceleration of learning in an evidence-accumulation task. Cell reports, 45(4), 117262.

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.

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.

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

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.

Beau M, et al. (2025) A deep learning strategy to identify cell types across species from high-density extracellular recordings. Cell, 188(8), 2218.

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).

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.

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

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.