

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

STOCK Egr2^{tm2}(cre)Pch/J

RRID:IMSR_JAX:025744

Type: Organism

Proper Citation

RRID:IMSR_JAX:025744

Organism Information

URL: <https://www.jax.org/strain/025744>

Proper Citation: RRID:IMSR_JAX:025744

Description: Mus musculus with name STOCK Egr2^{tm2}(cre)Pch/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |early growth response 2; mutant stock: |Egr2

Affected Gene: |early growth response 2

Genomic Alteration: targeted mutation 2; Patrick Charnay

Catalog Number: JAX:025744

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Egr2^{tm2}(cre)Pch/J

Record Creation Time: 20250513T053755+0000

Record Last Update: 20260808T050956+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Egr2^{tm2}(cre)Pch/J.

No alerts have been found for STOCK Egr2^{tm2}(cre)Pch/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Fenstermacher SJ, et al. (2026) Potentiation of active locomotor state by spinal-projecting serotonergic neurons. *Neuron*, 114(6), 1117.

Midorikawa M, et al. (2024) Developmental refinement of the active zone nanotopography and axon wiring at the somatosensory thalamus. *Cell reports*, 43(10), 114770.

Daboussi L, et al. (2023) Mitf is a Schwann cell sensor of axonal integrity that drives nerve repair. *Cell reports*, 42(11), 113282.

Ta??b S, et al. (2022) Myelinating Schwann cells and Netrin-1 control intra-nervous vascularization of the developing mouse sciatic nerve. *eLife*, 11.

Marechal E, et al. (2022) Multiple congenital malformations arise from somatic mosaicism for constitutively active Pik3ca signaling. *Frontiers in cell and developmental biology*, 10, 1013001.

Wei XP, et al. (2022) A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. *Neuron*, 110(4), 644.

Mukherjee D, et al. (2021) Egr2 induction in spiny projection neurons of the ventrolateral striatum contributes to cocaine place preference in mice. *eLife*, 10.

Ueta Y, et al. (2021) Brainstem local microglia induce whisker map plasticity in the thalamus after peripheral nerve injury. *Cell reports*, 34(10), 108823.

Ueta Y, et al. (2021) Electrophysiological and anatomical characterization of synaptic remodeling in the mouse whisker thalamus. *STAR protocols*, 2(3), 100743.

Nagumo Y, et al. (2020) Tonic GABAergic Inhibition Is Essential for Nerve Injury-Induced Afferent Remodeling in the Somatosensory Thalamus and Ectopic Sensations. *Cell reports*, 31(12), 107797.

Terem A, et al. (2020) Claustral Neurons Projecting to Frontal Cortex Mediate Contextual Association of Reward. *Current biology : CB*, 30(18), 3522.

Takeuchi Y, et al. (2017) Afferent Fiber Remodeling in the Somatosensory Thalamus of Mice as a Neural Basis of Somatotopic Reorganization in the Brain and Ectopic Mechanical Hypersensitivity after Peripheral Sensory Nerve Injury. *eNeuro*, 4(2).