Resource Summary Report

Generated by NIF on Sep 9, 2026

STOCK Tg(Actl6b-Cre)4092Jiwu/J

RRID:IMSR_JAX:027826
Type: Organism

Proper Citation

RRID:IMSR_JAX:027826

Organism Information

URL: https://www.jax.org/strain/027826

Proper Citation: RRID:IMSR_JAX:027826

Description: Mus musculus with name STOCK Tg(Actl6b-Cre)4092Jiwu/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 4092; Jie Wu||actin-like 6B; mutant stock: Tg(Actl6b-cre)4092Jiwu||Actl6b

Affected Gene: transgene insertion 4092; Jie Wu||actin-like 6B

Genomic Alteration: transgene insertion 4092; Jie Wu

Catalog Number: JAX:027826

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(Actl6b-Cre)4092Jiwu/J

Record Creation Time: 20250513T053802+0000

Record Last Update: 20260905T044539+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Actl6b-Cre)4092Jiwu/J.

No alerts have been found for STOCK Tg(Actl6b-Cre)4092Jiwu/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Zhao Y, et al. (2026) Gut pathogen Clostridium symbiosum rewires macrophage succinylation to drive enteric neuron loss in inflammatory bowel disease. Cell host & microbe, 34(4), 620.

Magaña I, et al. (2025) A Novel Cell-Type Specific Circadian Reporter Mouse Reveals Self-Sustained Food Entrainable Nature in Enteric Neurons. bioRxiv : the preprint server for biology.

Sun Z, et al. (2025) Intestinal-region-specific functions of AHR in intrinsic enteric neurons during infections. Cell reports, 44(4), 115524.

Wang Y, et al. (2025) Bi-directional communication between intrinsic enteric neurons and ILC2s inhibits host defense against helminth infection. Immunity, 58(2), 465.

Xu QJ, et al. (2025) Two Specialized Intrinsic Cardiac Neuron Types Safeguard Heart Homeostasis and Stress Resilience. bioRxiv : the preprint server for biology.

Stavely R, et al. (2024) Mature enteric neurons have the capacity to reinnervate the intestine with glial cells as their guide. Neuron, 112(18), 3143.

Fournier LA, et al. (2024) Overexpression of the schizophrenia risk gene C4 in PV cells drives sex-dependent behavioral deficits and circuit dysfunction. bioRxiv : the preprint server for biology.

Hanscom M, et al. (2024) Innervation of adipocytes is limited in mouse perivascular adipose tissue. American journal of physiology. Heart and circulatory physiology, 327(1), H155.

Hendler BJ, et al. (2024) Purinergic P2Y1 and P2Y12 receptors control enteric nervous system activity through neuro-glia-macrophage crosstalk. Purinergic signalling.

Fournier LA, et al. (2024) Overexpression of the schizophrenia risk gene C4 in PV cells drives sex-dependent behavioral deficits and circuit dysfunction. iScience, 27(9), 110800.

Gourévitch B, et al. (2023) Synchronization of inspiratory burst onset along the ventral respiratory column in the neonate mouse is mediated by electrotonic coupling. BMC biology, 21(1), 83.

Pai C, et al. (2023) Sequencing Reveals miRNAs Enriched in the Developing Mouse Enteric Nervous System. Non-coding RNA, 10(1).

Bakalar D, et al. (2023) Constitutive and conditional deletion reveals distinct phenotypes driven by developmental versus neurotransmitter actions of the neuropeptide PACAP. Journal of neuroendocrinology, 35(11), e13286.

Guyer RA, et al. (2023) Single-cell multiome sequencing clarifies enteric glial diversity and identifies an intraganglionic population poised for neurogenesis. Cell reports, 42(3), 112194.

Leonardi I, et al. (2022) Mucosal fungi promote gut barrier function and social behavior via Type 17 immunity. Cell, 185(5), 831.

Schweizer N, et al. (2021) Sub-centrosomal mapping identifies augmin-?TuRC as part of a centriole-stabilizing scaffold. Nature communications, 12(1), 6042.

Clemens AW, et al. (2020) MeCP2 Represses Enhancers through Chromosome Topology-Associated DNA Methylation. Molecular cell, 77(2), 279.