

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

C57BL/6J-Tg(Zp3-cre)93Knw/J

RRID:IMSR_JAX:003651

Type: Organism

Proper Citation

RRID:IMSR_JAX:003651

Organism Information

URL: <https://www.jax.org/strain/003651>

Proper Citation: RRID:IMSR_JAX:003651

Description: Mus musculus with name C57BL/6J-Tg(Zp3-cre)93Knw/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(Zp3-cre)93Knw/J. C57BL/6-TgN(Zp3-Cre)93Knw

Notes: gene symbol note: zona pellucida glycoprotein 3|transgene insertion 93; Barbara B Knowles|; mutant strain: Zp3|Tg(Zp3-cre)93Knw|

Affected Gene: zona pellucida glycoprotein 3|transgene insertion 93; Barbara B Knowles|

Genomic Alteration: transgene insertion 93; Barbara B Knowles

Catalog Number: JAX:003651

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Tg(Zp3-cre)93Knw/J

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260829T044931+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Zp3-cre)93Knw/J.

No alerts have been found for C57BL/6J-Tg(Zp3-cre)93Knw/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Lilao-Garzón J, et al. (2026) Wnt/?-catenin signalling modulates the timing of cell fate decision making in the early mouse embryo. PloS one, 21(3), e0344295.

Zeng TB, et al. (2026) SETDB1 enables development beyond cleavage stages by extinguishing the MERVL-driven two-cell totipotency transcriptional program in the mouse embryo. eLife, 15.

Stein P, et al. (2026) Beware of your "oocyte specific" Cre line: somatic cell Cre expression in several Zp3-Cre lines and the Gdf9-iCre transgenic line†. Biology of reproduction.

Syed I, et al. (2026) CELF2-dependent RNA Regulation Supports Cortical Architecture and Synaptic Stability During Early Brain Development. Molecular neurobiology, 63(1).

Winek E, et al. (2025) Maternal/zygotic knockout and droplet digital polymerase chain reaction analysis question the role of activin A in preimplantation mouse embryo development†. Biology of reproduction, 113(6), 1375.

Nayak G, et al. (2025) MSRB3 antioxidant activity is necessary for inner ear cuticular plate structure and hair bundle integrity. Disease models & mechanisms, 18(8).

Mori T, et al. (2025) The Competitive Loss of Cerebellar Granule and Purkinje Cells Driven by X-Linked Mosaicism in a Female Mouse Model of CASK-Related Disorders. Cells, 14(10).

Guo Q, et al. (2025) Jun N-Terminal Kinase Inhibitor Suppresses CASK Deficiency-Induced Cerebellar Granular Cell Death in MICPCH Syndrome Model Mice. Cells, 14(10).

Shavit M, et al. (2025) Abundance of Maternal Mitochondrial Genome Is Dispensable up to the Mitochondrial Genome Activation in Post-Implantation Embryos. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(17), e70986.

Kim EN, et al. (2025) ciBAR1 loss in mice causes laterality defects, pancreatic degeneration, and altered glucose tolerance. Life science alliance, 8(2).

Savy V, et al. (2025) Calcium signals shape metabolic control of H3K27ac and H3K18la to regulate EGA. *bioRxiv : the preprint server for biology*.

Kawamura YK, et al. (2025) Preventing CpG hypermethylation in oocytes safeguards mouse development. *Developmental cell*.

Chandramohan D, et al. (2025) Dual role of Oct4 and Sox2 in controlling the developmental capacity and timing of tissue morphogenesis in the embryonic lineage. *Developmental cell*.

Hu Y, et al. (2024) Maternal KLF17 controls zygotic genome activation by acting as a messenger for RNA Pol II recruitment in mouse embryos. *Developmental cell*.

Chen R, et al. (2024) Analyzing embryo dormancy at single-cell resolution reveals dynamic transcriptional responses and activation of integrin-Yap/Taz prosurvival signaling. *Cell stem cell*, 31(9), 1262.

Mehlmann LM, et al. (2024) Generation and Characterization of a TRIM21 Overexpressing Mouse Line. *Genesis (New York, N.Y. : 2000)*, 62(5), e23616.

Kruger RE, et al. (2024) Smad4 is essential for epiblast scaling and morphogenesis after implantation, but nonessential prior to implantation in the mouse. *bioRxiv : the preprint server for biology*.

Hoque M, et al. (2024) The Cby3/ciBAR1 complex positions the annulus along the sperm flagellum during spermiogenesis. *The Journal of cell biology*, 223(3).

Xia QQ, et al. (2023) Effects of heterozygous deletion of autism-related gene Cullin-3 in mice. *PloS one*, 18(7), e0283299.

Fordjour FK, et al. (2023) Exomap1 mouse: a transgenic model for in vivo studies of exosome biology. *bioRxiv : the preprint server for biology*.