

Resource Summary Report

Generated by [RRID](#) on Jul 30, 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: [transgene insertion 93; Barbara B Knowles]zona pellucida glycoprotein 3; mutant strain: [Tg(Zp3-cre)93Knw]Zp3

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

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: 20260725T044350+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 55 mentions in open access literature.

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

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*.

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

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.

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*.

Maunsell HR, et al. (2023) Lrrn1 Regulates Medial Boundary Formation in the Developing Mouse Organ of Corti. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(29), 5305.

Das A, et al. (2023) Centromere-specifying nucleosomes persist in aging mouse oocytes in the absence of nascent assembly. *bioRxiv : the preprint server for biology*.

Miao X, et al. (2023) Replication Protein A1 is essential for DNA damage repair during mammalian oogenesis. *bioRxiv : the preprint server for biology*.

Das A, et al. (2023) Centromere-specifying nucleosomes persist in aging mouse oocytes in the absence of nascent assembly. *Current biology : CB*, 33(17), 3759.