

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

STOCK Wt1^{tm2}(cre/ERT2)Wtp/J

RRID:IMSR_JAX:010912

Type: Organism

Proper Citation

RRID:IMSR_JAX:010912

Organism Information

URL: <https://www.jax.org/strain/010912>

Proper Citation: RRID:IMSR_JAX:010912

Description: Mus musculus with name STOCK Wt1^{tm2}(cre/ERT2)Wtp/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|WT1 transcription factor; mutant stock: cre/ERT2|Wt1

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|WT1 transcription factor

Genomic Alteration: targeted mutation 2; William T Pu

Catalog Number: JAX:010912

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Wt1^{tm2}(cre/ERT2)Wtp/J

Record Creation Time: 20250513T053718+0000

Record Last Update: 20260725T044427+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Wt1^{tm2}(cre/ERT2)Wtp/J.

No alerts have been found for STOCK Wt1^{tm2(cre/ERT2)}Wtp/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Farhat B, et al. (2024) Understanding the cell fate and behavior of progenitors at the origin of the mouse cardiac mitral valve. *Developmental cell*, 59(3), 339.

Huang H, et al. (2022) Mesothelial cell-derived antigen-presenting cancer-associated fibroblasts induce expansion of regulatory T??cells in pancreatic cancer. *Cancer cell*, 40(6), 656.

Pogontke C, et al. (2022) Dynamic Epicardial Contribution to Cardiac Interstitial c-Kit and Sca1 Cellular Fractions. *Frontiers in cell and developmental biology*, 10, 864765.

Hesse J, et al. (2021) Single-cell transcriptomics defines heterogeneity of epicardial cells and fibroblasts within the infarcted murine heart. *eLife*, 10.

Redpath AN, et al. (2021) Analysis of epicardial genes in embryonic mouse hearts with flow cytometry. *STAR protocols*, 2(1), 100359.

Westcott GP, et al. (2021) Mesothelial cells are not a source of adipocytes in mice. *Cell reports*, 36(2), 109388.

Li N, et al. (2020) Increasing heart vascularisation after myocardial infarction using brain natriuretic peptide stimulation of endothelial and WT1+ epicardial cells. *eLife*, 9.

Jackson-Weaver O, et al. (2020) PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. *Cell reports*, 31(10), 107739.

Bellomo A, et al. (2020) Reticular Fibroblasts Expressing the Transcription Factor WT1 Define a Stromal Niche that Maintains and Replenishes Splenic Red Pulp Macrophages. *Immunity*, 53(1), 127.

Ariza L, et al. (2019) The Wilms' tumor suppressor gene regulates pancreas homeostasis and repair. *PLoS genetics*, 15(2), e1007971.

Colunga T, et al. (2019) Human Pluripotent Stem Cell-Derived Multipotent Vascular Progenitors of the Mesothelium Lineage Have Utility in Tissue Engineering and Repair. *Cell reports*, 26(10), 2566.

Sereti KI, et al. (2018) Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. *Nature communications*, 9(1), 754.

Haque F, et al. (2018) WT1-Expressing Interneurons Regulate Left-Right Alternation during Mammalian Locomotor Activity. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(25), 5666.

Xiao Y, et al. (2018) Hippo Signaling Plays an Essential Role in Cell State Transitions during Cardiac Fibroblast Development. *Developmental cell*, 45(2), 153.