

Resource Summary Report

Generated by T1D on Sep 20, 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: WT1 transcription factor|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Wt1|cre/ERT2

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

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: 20260919T054906+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 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Uno K, et al. (2026) Mesothelial cells promote peritoneal invasion and metastasis of ascites-derived ovarian cancer cells through spheroid formation. *Science advances*, 12(6), eadu5944.

Bischoff AC, et al. (2026) Wilms Tumor 1-Expressing Stromal Cells Promote Pancreatic Cancer Progression. *Cancer research*, 86(2), 331.

Luna G, et al. (2026) MYRF controls mesothelium specification, signaling, and plasticity in lung development. *Developmental cell*, 61(3), 536.

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.

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.

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.

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.