

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 19, 2026

STOCK Hopx^{tm2.1(cre/ERT2)Joe/J}

RRID:IMSR_JAX:017606

Type: Organism

Proper Citation

RRID:IMSR_JAX:017606

Organism Information

URL: <https://www.jax.org/strain/017606>

Proper Citation: RRID:IMSR_JAX:017606

Description: Mus musculus with name STOCK Hopx^{tm2.1(cre/ERT2)Joe/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: HOP homeobox|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Hopx|cre/ERT2

Affected Gene: HOP homeobox|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: targeted mutation 2.1; Jonathan A Epstein

Catalog Number: JAX:017606

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Hopx^{tm2.1(cre/ERT2)Joe/J}

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260815T050646+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Hopx^{tm2.1(cre/ERT2)Joe/J}.

No alerts have been found for STOCK Hopx^{tm2.1(cre/ERT2)Joe/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Omachi K, et al. (2026) Glomerular basement membrane structural integrity dictates trans-tissue deposition of laminin in the kidney. Cell reports, 45(3), 117006.

Jimenez-Cyrus D, et al. (2024) Molecular cascade reveals sequential milestones underlying hippocampal neural stem cell development into an adult state. Cell reports, 43(6), 114339.

Liu K, et al. (2024) Tracing the origin of alveolar stem cells in lung repair and regeneration. Cell, 187(10), 2428.

Liberti DC, et al. (2022) Klf5 defines alveolar epithelial type 1 cell lineage commitment during lung development and regeneration. Developmental cell, 57(14), 1742.

Sheng X, et al. (2020) Cycling Stem Cells Are Radioresistant and Regenerate the Intestine. Cell reports, 32(4), 107952.

Berg DA, et al. (2019) A Common Embryonic Origin of Stem Cells Drives Developmental and Adult Neurogenesis. Cell, 177(3), 654.

Wang Y, et al. (2019) Long-Term Culture Captures Injury-Repair Cycles of Colonic Stem Cells. Cell, 179(5), 1144.

Yousefi M, et al. (2018) Calorie Restriction Governs Intestinal Epithelial Regeneration through Cell-Autonomous Regulation of mTORC1 in Reserve Stem Cells. Stem cell reports, 10(3), 703.

Yan KS, et al. (2017) Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. Cell stem cell, 21(1), 78.