

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

STOCK Gt(ROSA)26Sor^{tm1(Smo/EYFP)Amc/J}

RRID:IMSR_JAX:005130

Type: Organism

Proper Citation

RRID:IMSR_JAX:005130

Organism Information

URL: <https://www.jax.org/strain/005130>

Proper Citation: RRID:IMSR_JAX:005130

Description: Mus musculus with name STOCK Gt(ROSA)26Sor^{tm1(Smo/EYFP)Amc/J} from IMSR.

Species: Mus musculus

Synonyms: STOCK Gt(ROSA)26Sor/J

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano; mutant stock: |Gt(ROSA)26Sor

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Andrew P McMahon

Catalog Number: JAX:005130

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Gt(ROSA)26Sor^{tm1(Smo/EYFP)Amc/J}

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260801T050352+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Gt(ROSA)26Sor^{tm1(Smo/EYFP)Amc/J}.

No alerts have been found for STOCK Gt(ROSA)26Sor^{tm1(Smo/EYFP)Amc/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Larsen RK, et al. (2025) Non-cell-autonomous tumor promotion in DICER1 cancer predisposition. *Developmental cell*.

Canato S, et al. (2025) Survivin Promotes Stem Cell Competence for Skin Cancer Initiation. *Cancer discovery*, 15(2), 427.

Krüger C, et al. (2025) Epidermal growth factor receptor specific immunotherapy for SHH medulloblastoma tested in an in vitro blood-brain barrier-model. *Cancer treatment and research communications*, 44, 100950.

Sahu P, et al. (2025) Mechanical control of cell fate decisions in the skin epidermis. *Nature communications*, 16(1), 8440.

Fan JJ, et al. (2025) A forward genetic screen identifies potassium channel essentiality in SHH medulloblastoma maintenance. *Developmental cell*, 60(11), 1532.

Gadek KE, et al. (2025) Transdifferentiation of endothelial progenitor cells into rhabdomyosarcoma defined by hedgehog signaling competence. *Cell reports*, 44(10), 116339.

Snitow ME, et al. (2025) Stc1-expressing myofibroblasts are a developmentally distinct lineage cleared through apoptosis in the neonatal lung. *Cell reports*, 45(1), 116750.

Hwang GH, et al. (2024) A Benzarone Derivative Inhibits EYA to Suppress Tumor Growth in SHH Medulloblastoma. *Cancer research*, 84(6), 872.

Malawsky DS, et al. (2023) Chronic AMPK inactivation slows SHH medulloblastoma progression by inhibiting mTORC1 signaling and depleting tumor stem cells. *iScience*, 26(12), 108443.

Zhu J, et al. (2022) Sonic hedgehog is not a limb morphogen but acts as a trigger to specify all digits in mice. *Developmental cell*, 57(17), 2048.

Lyu H, et al. (2022) Niche-mediated repair of airways is directed in an occupant-dependent manner. *Cell reports*, 41(12), 111863.

Li W, et al. (2022) Dendritic Inhibition by Shh Signaling-Dependent Stellate Cell Pool Is Critical for Motor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(26), 5130.

George J, et al. (2022) Cancer stem cells, not bulk tumor cells, determine mechanisms of resistance to SMO inhibitors. *Cancer research communications*, 2(6), 402.

Eyermann CE, et al. (2021) ?N63 suppresses the ability of pregnancy-identified mammary epithelial cells (PIMECs) to drive HER2-positive breast cancer. *Cell death & disease*, 12(6), 525.

Malave L, et al. (2021) Dopaminergic co-transmission with sonic hedgehog inhibits abnormal involuntary movements in models of Parkinson's disease and L-Dopa induced dyskinesia. *Communications biology*, 4(1), 1071.

Vercauteren Drubbel A, et al. (2021) Reactivation of the Hedgehog pathway in esophageal progenitors turns on an embryonic-like program to initiate columnar metaplasia. *Cell stem cell*, 28(8), 1411.

Niesen J, et al. (2020) *Pik3ca* mutations significantly enhance the growth of SHH medulloblastoma and lead to metastatic tumour growth in a novel mouse model. *Cancer letters*, 477, 10.

Xu X, et al. (2020) Stage-specific regulation of oligodendrocyte development by Hedgehog signaling in the spinal cord. *Glia*, 68(2), 422.

Brooks ER, et al. (2020) Sonic hedgehog signaling directs patterned cell remodeling during cranial neural tube closure. *eLife*, 9.

Zhang Y, et al. (2020) Cortical Neural Stem Cell Lineage Progression Is Regulated by Extrinsic Signaling Molecule Sonic Hedgehog. *Cell reports*, 30(13), 4490.