Resource Summary Report

Generated by RRID on Aug 1, 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.

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

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

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.