

Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

STOCK Tg(Hcn4-GCaMP8)B10-3Mik/J

RRID:IMSR_JAX:028344

Type: Organism

Proper Citation

RRID:IMSR_JAX:028344

Organism Information

URL: <https://www.jax.org/strain/028344>

Proper Citation: RRID:IMSR_JAX:028344

Description: Mus musculus with name STOCK Tg(Hcn4-GCaMP8)B10-3Mik/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion B10-3; Michael I Kotlikoff|Genetically encoded calcium indicator|hyperpolarization-activated; cyclic nucleotide-gated K⁺ 4; mutant stock: Tg(Hcn4-GCaMP8)B10-3Mik|GCaMP|Hcn4

Affected Gene: transgene insertion B10-3; Michael I Kotlikoff|Genetically encoded calcium indicator|hyperpolarization-activated; cyclic nucleotide-gated K⁺ 4

Genomic Alteration: transgene insertion B10-3; Michael I Kotlikoff

Catalog Number: JAX:028344

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Hcn4-GCaMP8)B10-3Mik/J

Record Creation Time: 20250513T053804+0000

Record Last Update: 20260919T054948+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Hcn4-GCaMP8)B10-3Mik/J.

No alerts have been found for STOCK Tg(Hcn4-GCaMP8)B10-3Mik/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Bychkov R, et al. (2022) The Heart's Pacemaker Mimics Brain Cytoarchitecture and Function: Novel Interstitial Cells Expose Complexity of the SAN. JACC. Clinical electrophysiology, 8(10), 1191.

Lee FK, et al. (2021) Genetically engineered mice for combinatorial cardiovascular optobiology. eLife, 10.