

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

ICR;129-Hes1^{tm1Fgu}/KagRbrc

RRID:IMSR_RBRC05979

Type: Organism

Proper Citation

RRID:IMSR_RBRC05979

Organism Information

URL: <https://brc.riken.jp/mus/RBRC05979>

Proper Citation: RRID:IMSR_RBRC05979

Description: Mus musculus with name ICR;129-Hes1^{tm1Fgu}/KagRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: hes family bHLH transcription factor 1; mutant stock: Hes1

Affected Gene: hes family bHLH transcription factor 1

Genomic Alteration: targeted mutation 1; Francois Guillemot

Catalog Number: RBRC05979

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: sperm

Organism Name: ICR;129-Hes1^{tm1Fgu}/KagRbrc

Record Creation Time: 20250513T061506+0000

Record Last Update: 20260912T064326+0000

Ratings and Alerts

No rating or validation information has been found for ICR;129-Hes1^{tm1Fgu}/KagRbrc.

No alerts have been found for ICR;129-Hes1^{tm1Fgu}/KagRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Shi HJ, et al. (2022) Requirement of hippocampal DG nNOS-CAPON dissociation for the anxiolytic and antidepressant effects of fluoxetine. *Theranostics*, 12(8), 3656.

Seymour PA, et al. (2020) Jag1 Modulates an Oscillatory Dll1-Notch-Hes1 Signaling Module to Coordinate Growth and Fate of Pancreatic Progenitors. *Developmental cell*, 52(6), 731.

Zhu LJ, et al. (2020) nNOS-CAPON blockers produce anxiolytic effects by promoting synaptogenesis in chronic stress-induced animal models of anxiety. *British journal of pharmacology*, 177(16), 3674.

Yang B, et al. (2020) Cystatin C improves blood-brain barrier integrity after ischemic brain injury in mice. *Journal of neurochemistry*, 153(3), 413.

Zhu LJ, et al. (2018) Hippocampal nuclear factor kappa B accounts for stress-induced anxiety behaviors via enhancing neuronal nitric oxide synthase (nNOS)-carboxy-terminal PDZ ligand of nNOS-Dexras1 coupling. *Journal of neurochemistry*, 146(5), 598.

Wang Y, et al. (2017) Fisetin provides antidepressant effects by activating the tropomyosin receptor kinase B signal pathway in mice. *Journal of neurochemistry*, 143(5), 561.