

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

ICR-Tg(Hes1-luc2/Hes1)1Imayo

RRID:IMSR_RBRC06013

Type: Organism

Proper Citation

RRID:IMSR_RBRC06013

Organism Information

URL: <https://brc.riken.jp/mus/RBRC06013>

Proper Citation: RRID:IMSR_RBRC06013

Description: Mus musculus with name ICR-Tg(Hes1-luc2/Hes1)1Imayo from IMSR.

Species: Mus musculus

Synonyms: ICR-Tg(Hes1/luc2)1Imayo/Imayo

Notes: gene symbol note: luciferase|hes family bHLH transcription factor 1|transgene insertion 1; Itaru Imayoshi; mutant stock: luc|Hes1|Tg(Hes1-luc2/Hes1)1Imayo

Affected Gene: luciferase|hes family bHLH transcription factor 1|transgene insertion 1; Itaru Imayoshi

Genomic Alteration: luciferase|hairy and enhancer of split 1 (Drosophila)|transgene insertion 1; Itaru Imayoshi

Catalog Number: RBRC06013

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: sperm

Organism Name: ICR-Tg(Hes1-luc2/Hes1)1Imayo

Record Creation Time: 20250513T061507+0000

Record Last Update: 20260808T054856+0000

Ratings and Alerts

No rating or validation information has been found for ICR-Tg(Hes1-luc2/Hes1)1Imayo.

No alerts have been found for ICR-Tg(Hes1-luc2/Hes1)1Imayo.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Marinopoulou E, et al. (2021) HES1 protein oscillations are necessary for neural stem cells to exit from quiescence. *iScience*, 24(10), 103198.

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.

Sueda R, et al. (2019) High Hes1 expression and resultant Ascl1 suppression regulate quiescent vs. active neural stem cells in the adult mouse brain. *Genes & development*, 33(9-10), 511.

Phillips NE, et al. (2016) Stochasticity in the miR-9/Hes1 oscillatory network can account for clonal heterogeneity in the timing of differentiation. *eLife*, 5.

Pisconti A, et al. (2010) Syndecan-3 and Notch cooperate in regulating adult myogenesis. *The Journal of cell biology*, 190(3), 427.