

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

STOCK Tg(RARE-Hspa1b/lacZ)12Jrt/J

RRID:IMSR_JAX:008477

Type: Organism

Proper Citation

RRID:IMSR_JAX:008477

Organism Information

URL: <https://www.jax.org/strain/008477>

Proper Citation: RRID:IMSR_JAX:008477

Description: Mus musculus with name STOCK Tg(RARE-Hspa1b/lacZ)12Jrt/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: retinoic acid responsive element|transgene insertion 12; Janet Rossant|beta-galactosidase; mutant stock: RARE|Tg(RARE-Hspa1b/lacZ)12Jrt|lacZ

Affected Gene: retinoic acid responsive element|transgene insertion 12; Janet Rossant|beta-galactosidase

Genomic Alteration: transgene insertion 12; Janet Rossant

Catalog Number: JAX:008477

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK Tg(RARE-Hspa1b/lacZ)12Jrt/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260725T044420+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(RARE-Hspa1b/lacZ)12Jrt/J.

No alerts have been found for STOCK Tg(RARE-Hspa1b/lacZ)12Jrt/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Yeo YG, et al. (2024) Retinoic acid modulation of granule cell activity and spatial discrimination in the adult hippocampus. *Frontiers in cellular neuroscience*, 18, 1379438.

Martinez-Mayer J, et al. (2024) Knockout mice with pituitary malformations help identify human cases of hypopituitarism. *Genome medicine*, 16(1), 75.

Wang S, et al. (2024) 3D reconstruction of the mouse cochlea from scRNA-seq data suggests morphogen-based principles in apex-to-base specification. *Developmental cell*, 59(12), 1538.

Thulabandu V, et al. (2021) Dermal EZH2 orchestrates dermal differentiation and epidermal proliferation during murine skin development. *Developmental biology*, 478, 25.

Medina DX, et al. (2020) Intravenously Administered, Retinoid Activating Nanoparticles Increase Lifespan and Reduce Neurodegeneration in the SOD1G93A Mouse Model of ALS. *Frontiers in bioengineering and biotechnology*, 8, 224.

Maheshwari U, et al. (2020) Postmitotic Hoxa5 Expression Specifies Pontine Neuron Positional Identity and Input Connectivity of Cortical Afferent Subsets. *Cell reports*, 31(11), 107767.

van Dijk D, et al. (2018) Recovering Gene Interactions from Single-Cell Data Using Data Diffusion. *Cell*, 174(3), 716.

Kurosaka H, et al. (2017) Rdh10 loss-of-function and perturbed retinoid signaling underlies the etiology of choanal atresia. *Human molecular genetics*, 26(7), 1268.

Bowles J, et al. (2016) ALDH1A1 provides a source of meiosis-inducing retinoic acid in mouse fetal ovaries. *Nature communications*, 7, 10845.

Yasmeen R, et al. (2013) Autocrine function of aldehyde dehydrogenase 1 as a determinant of diet- and sex-specific differences in visceral adiposity. *Diabetes*, 62(1), 124.