

Resource Summary Report

Generated by [NIF](#) on Aug 21, 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: beta-galactosidase|retinoic acid responsive element|transgene insertion 12; Janet Rossant; mutant stock: lacZ|RARE|Tg(RARE-Hspa1b/lacZ)12Jrt

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

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: 20260815T050618+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 12 mentions in open access literature.

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

Saito M, et al. (2026) Effects of ethanol exposure in neonatal mice on retinoic acid signaling in forebrain neurons and astrocytes. IBRO neuroscience reports, 20, 797.

Duncan RK, et al. (2025) Retinoic acid signaling guides the efficiency of inner ear organoid-genesis and governs sensory-nonsensory fate specification. Stem cell reports, 20(10), 102671.

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.