

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

STOCK Isl1^{tm1(cre)}Sev/J

RRID:IMSR_JAX:024242

Type: Organism

Proper Citation

RRID:IMSR_JAX:024242

Organism Information

URL: <https://www.jax.org/strain/024242>

Proper Citation: RRID:IMSR_JAX:024242

Description: Mus musculus with name STOCK Isl1^{tm1(cre)}Sev/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: ISL1 transcription factor; LIM/homeodomain|; mutant stock: Isl1|

Affected Gene: ISL1 transcription factor; LIM/homeodomain|

Genomic Alteration: targeted mutation 1; Sylvia Evans

Catalog Number: JAX:024242

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Isl1^{tm1(cre)}Sev/J

Record Creation Time: 20250513T053750+0000

Record Last Update: 20260815T050701+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Isl1^{tm1(cre)}Sev/J.

No alerts have been found for STOCK Isl1^{tm1(cre)}Sev/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Ali S, et al. (2026) A central role for Islr2 (Linx) in direct pathway striatal projection neurons for the correct formation of the internal capsule and cerebral peduncle. *Developmental biology*, 538, 56.

Lozovska A, et al. (2025) Tgfbr1 regulates lateral plate mesoderm and endoderm reorganization during the trunk to tail transition. *eLife*, 13.

Kok AMY, et al. (2025) Trigeminal Motor Nucleus Regulates Microstructure of Feeding Behavior without Affecting Total Food Intake. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(48).

Maruyama K, et al. (2022) The cardiopharyngeal mesoderm contributes to lymphatic vessel development in mouse. *eLife*, 11.

Hael CE, et al. (2020) The transcriptional regulator PRDM12 is critical for Pomc expression in the mouse hypothalamus and controlling food intake, adiposity, and body weight. *Molecular metabolism*, 34, 43.

Romanov RA, et al. (2020) Molecular design of hypothalamus development. *Nature*, 582(7811), 246.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. *Neuron*, 106(1), 37.

Maruyama K, et al. (2019) Isl1-expressing non-venous cell lineage contributes to cardiac lymphatic vessel development. *Developmental biology*, 452(2), 134.

Ray TA, et al. (2018) Formation of retinal direction-selective circuitry initiated by starburst amacrine cell homotypic contact. *eLife*, 7.

Whitman MC, et al. (2018) Loss of CXCR4/CXCL12 Signaling Causes Oculomotor Nerve Misrouting and Development of Motor Trigeminal to Oculomotor Synkinesis. *Investigative ophthalmology & visual science*, 59(12), 5201.

Mayoral SR, et al. (2018) Initiation of CNS Myelination in the Optic Nerve Is Dependent on Axon Caliber. *Cell reports*, 25(3), 544.

Tinterri A, et al. (2018) Tangential migration of corridor guidepost neurons contributes to anxiety circuits. *The Journal of comparative neurology*, 526(3), 397.

Falgairolle M, et al. (2017) Motoneurons regulate the central pattern generator during drug-induced locomotor-like activity in the neonatal mouse. *eLife*, 6.

Dvorakova M, et al. (2016) Incomplete and delayed Sox2 deletion defines residual ear neurosensory development and maintenance. *Scientific reports*, 6, 38253.

Bui TV, et al. (2016) Spinal microcircuits comprising dl3 interneurons are necessary for motor functional recovery following spinal cord transection. *eLife*, 5.