Resource Summary Report

Generated by NIF on Sep 2, 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: 20260829T045103+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 dI3 interneurons are necessary for motor functional recovery following spinal cord transection. eLife, 5.