Resource Summary Report

Generated by T1D on Sep 21, 2026

STOCK Tg(Nr5a1-cre)7Lowl/J

RRID:IMSR_JAX:012462
Type: Organism

Proper Citation

RRID:IMSR_JAX:012462

Organism Information

URL: https://www.jax.org/strain/012462

Proper Citation: RRID:IMSR_JAX:012462

Description: Mus musculus with name STOCK Tg(Nr5a1-cre)7Lowl/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 7; Bradford B Lowell|nuclear receptor subfamily 5; group A; member 1|; unclassified: Tg(Nr5a1-cre)7Lowl|Nr5a1|

Affected Gene: transgene insertion 7; Bradford B Lowell|nuclear receptor subfamily 5; group A; member 1|

Genomic Alteration: transgene insertion 7; Bradford B Lowell

Catalog Number: JAX:012462

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Nr5a1-cre)7Lowl/J

Record Creation Time: 20250513T053721+0000

Record Last Update: 20260919T054908+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Nr5a1-cre)7Lowl/J.

No alerts have been found for STOCK Tg(Nr5a1-cre)7Lowl/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Kindel M, et al. (2026) Exercise-induced activation of ventromedial hypothalamic steroidogenic factor-1 neurons mediates improvements in endurance. Neuron, 114(9), 1564.

Spann RA, et al. (2026) FGF21 signals through hindbrain neurons to alter food intake and energy expenditure during dietary protein restriction. Cell reports, 45(4), 117218.

Zha X, et al. (2025) Estrogen signaling in the ventromedial hypothalamus is required for the development of aggression circuitry in male mice. Current biology : CB, 35(11), 2684.

Zhang L, et al. (2025) Deficiency of neuronal LGR4 increases energy expenditure and inhibits food intake via hypothalamic leptin signaling. EMBO reports, 26(8), 2098.

Kohno D, et al. (2025) FTO promotes weight gain via altering Kif1a splicing and axonal vesicle trafficking in AgRP neurons. The EMBO journal, 44(18), 4919.

Tesmer AL, et al. (2025) Orexin population activity precisely reflects net body movement across behavioral and metabolic states. eLife, 14.

Gu X, et al. (2023) Testicular macrophages are recruited during a narrow fetal time window and promote organ-specific developmental functions. Nature communications, 14(1), 1439.

Rashid M, et al. (2023) Inhibition of high-fat diet-induced inflammatory responses in adipose tissue by SF1-expressing neurons of the ventromedial hypothalamus. Cell reports, 42(6), 112627.

Yoshida T, et al. (2023) VMHdm/cSF-1 neuronal circuits regulate skeletal muscle PGC1-? via the sympathoadrenal drive. Molecular metabolism, 77, 101792.

Li SY, et al. (2022) Perivascular cells support folliculogenesis in the developing ovary. Proceedings of the National Academy of Sciences of the United States of America, 119(41), e2213026119.

Abou Nader N, et al. (2022) Effect of Inactivation of Mst1 and Mst2 in the Mouse Adrenal Cortex. Journal of the Endocrine Society, 7(1), bvac143.

Pedroso JAB, et al. (2021) Deletion of growth hormone receptor in hypothalamic neurons affects the adaptation capacity to aerobic exercise. Peptides, 135, 170426.

Wang W, et al. (2021) Coordination of escape and spatial navigation circuits orchestrates versatile flight from threats. Neuron, 109(11), 1848.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. Cell metabolism, 32(2), 273.

Frantz MG, et al. (2020) Layer 4 Gates Plasticity in Visual Cortex Independent of a Canonical Microcircuit. Current biology : CB, 30(15), 2962.

Felsted JA, et al. (2020) Sex-specific Effects of ?2?-1 in the Ventromedial Hypothalamus of Female Mice Controlling Glucose and Lipid Balance. Endocrinology, 161(7).

Ménard A, et al. (2020) Targeted Disruption of Lats1 and Lats2 in Mice Impairs Adrenal Cortex Development and Alters Adrenocortical Cell Fate. Endocrinology, 161(5).

Göppner C, et al. (2019) Pathogenesis of hypertension in a mouse model for human CLCN2 related hyperaldosteronism. Nature communications, 10(1), 4678.

Levasseur A, et al. (2017) Targeted Disruption of YAP and TAZ Impairs the Maintenance of the Adrenal Cortex. Endocrinology, 158(11), 3738.

Martínez-Sánchez N, et al. (2017) Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. Cell metabolism, 26(1), 212.