

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

STOCK Hdc^{tm1.1(icre)Wwis/J}

RRID:IMSR_JAX:021198

Type: Organism

Proper Citation

RRID:IMSR_JAX:021198

Organism Information

URL: <https://www.jax.org/strain/021198>

Proper Citation: RRID:IMSR_JAX:021198

Description: Mus musculus with name STOCK Hdc^{tm1.1(icre)Wwis/J} from IMSR.

Species: Mus musculus

Synonyms: STOCK Hdc/J

Notes: gene symbol note: histidine decarboxylase; mutant stock: Hdc

Affected Gene: histidine decarboxylase

Genomic Alteration: targeted mutation 1.1; William Wisden

Catalog Number: JAX:021198

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Hdc^{tm1.1(icre)Wwis/J}

Record Creation Time: 20250513T053742+0000

Record Last Update: 20260912T060528+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Hdc^{tm1.1(icre)Wwis/J}.

No alerts have been found for STOCK Hdc^{tm1.1(icre)Wwis/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Morishita Y, et al. (2026) Infralow histaminergic dynamics govern priming states to gate moment-to-moment memory accessibility. *Neuron*.

Tripodi M, et al. (2025) The central histaminergic system slows visual processing in the retina and lateral geniculate nucleus of awake mice. *PLoS biology*, 23(11), e3003406.

Lucaci D, et al. (2023) Histamine Release in the Prefrontal Cortex Excites Fast-Spiking Interneurons while GABA Released from the Same Axons Inhibits Pyramidal Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(2), 187.

Sokhadze G, et al. (2022) Cre driver mouse lines for thalamocortical circuit mapping. *The Journal of comparative neurology*, 530(7), 1049.

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

Ma C, et al. (2019) Sleep Regulation by Neurotensinergic Neurons in a Thalamo-Amygdala Circuit. *Neuron*, 103(2), 323.

Uygun DS, et al. (2016) Bottom-Up versus Top-Down Induction of Sleep by Zolpidem Acting on Histaminergic and Neocortex Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(44), 11171.