

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

STOCK Drd1^{tm2.1Stl/J}

RRID:IMSR_JAX:025700

Type: Organism

Proper Citation

RRID:IMSR_JAX:025700

Organism Information

URL: <https://www.jax.org/strain/025700>

Proper Citation: RRID:IMSR_JAX:025700

Description: Mus musculus with name STOCK Drd1^{tm2.1Stl/J} from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Drd1/J. B6.Cg-Drd1a/J

Notes: gene symbol note: dopamine receptor D1; mutant stock: Drd1

Affected Gene: dopamine receptor D1

Genomic Alteration: targeted mutation 2.1; Susumu Tonegawa

Catalog Number: JAX:025700

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Drd1^{tm2.1Stl/J}

Record Creation Time: 20250513T053755+0000

Record Last Update: 20260815T050707+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Drd1^{tm2.1Stl/J}.

No alerts have been found for STOCK Drd1^{tm2.1Stl/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wu M, et al. (2024) Dopamine pathways mediating affective state transitions after sleep loss. *Neuron*, 112(1), 141.

Fan X, et al. (2022) Noradrenergic signaling mediates cortical early tagging and storage of remote memory. *Nature communications*, 13(1), 7623.

Assali DR, et al. (2021) Type 1 dopamine receptor (D1R)-independent circadian food anticipatory activity in mice. *PloS one*, 16(2), e0242897.

Han Y, et al. (2021) A hindbrain dopaminergic neural circuit prevents weight gain by reinforcing food satiation. *Science advances*, 7(22).

Grippo RM, et al. (2020) Dopamine Signaling in the Suprachiasmatic Nucleus Enables Weight Gain Associated with Hedonic Feeding. *Current biology : CB*, 30(2), 196.

Corkrum M, et al. (2020) Dopamine-Evoked Synaptic Regulation in the Nucleus Accumbens Requires Astrocyte Activity. *Neuron*, 105(6), 1036.

Bocarsly ME, et al. (2019) A Mechanism Linking Two Known Vulnerability Factors for Alcohol Abuse: Heightened Alcohol Stimulation and Low Striatal Dopamine D2 Receptors. *Cell reports*, 29(5), 1147.

Caval-Holme F, et al. (2019) Gap Junction Coupling Shapes the Encoding of Light in the Developing Retina. *Current biology : CB*, 29(23), 4024.