

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 29, 2025

STOCK Tg(Drd1-cre)EY262Gsat/Mmucd

RRID:MMRRC_017264-UCD

Type: Organism

Proper Citation

RRID:MMRRC_017264-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=17264

Proper Citation: RRID:MMRRC_017264-UCD

Description: Mus musculus with name STOCK Tg(Drd1-cre)EY262Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: |cre|Drd1

Catalog Number: 017264-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_17264-UCD, MMRRC_017264, MMRRC_17264

Organism Name: STOCK Tg(Drd1-cre)EY262Gsat/Mmucd

Record Creation Time: 20230308T054947+0000

Record Last Update: 20250419T223249+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Drd1-cre)EY262Gsat/Mmucd.

No alerts have been found for STOCK Tg(Drd1-cre)EY262Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B^{-/-} mice. *Molecular psychiatry*.

Kuo HY, et al. (2023) Differential Development of Dendritic Spines in Striatal Projection Neurons of Direct and Indirect Pathways in the Caudoputamen and Nucleus Accumbens. *eNeuro*, 10(6).

Sloan DC, et al. (2023) Multiple potassium channel tetramerization domain (KCTD) family members interact with G??, with effects on cAMP signaling. *The Journal of biological chemistry*, 299(3), 102924.

Zhu XN, et al. (2023) Propofol exerts anti-anhedonia effects via inhibiting the dopamine transporter. *Neuron*, 111(10), 1626.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. *Cell reports*, 42(2), 112118.

Yang R, et al. (2023) Dichotomous regulation of striatal plasticity by dynorphin. *Molecular psychiatry*, 28(1), 434.

Wang D, et al. (2022) Genetic modeling of GNAO1 disorder delineates mechanisms of G?o dysfunction. *Human molecular genetics*, 31(4), 510.

Qian D, et al. (2022) A striatal SOM-driven ChAT-IMSN loop generates beta oscillations and produces motor deficits. *Cell reports*, 40(3), 111111.

Miya K, et al. (2021) Expression of Heparan Sulfate Endosulfatases in the Adult Mouse Brain: Co-expression of Sulf1 and Dopamine D1/D2 Receptors. *Frontiers in neuroanatomy*,

15, 726718.

Donthamsetti P, et al. (2021) Cell specific photoswitchable agonist for reversible control of endogenous dopamine receptors. *Nature communications*, 12(1), 4775.

Muntean BS, et al. (2021) G α o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. *Cell reports*, 34(5), 108718.

Rose KN, et al. (2021) Anti-neuroinflammatory effects of a food-grade phenolic-enriched maple syrup extract in a mouse model of Alzheimer's disease. *Nutritional neuroscience*, 24(9), 710.

Johansson Y, et al. (2020) The Functional Organization of Cortical and Thalamic Inputs onto Five Types of Striatal Neurons Is Determined by Source and Target Cell Identities. *Cell reports*, 30(4), 1178.

Bond CW, et al. (2020) Medial Nucleus Accumbens Projections to the Ventral Tegmental Area Control Food Consumption. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(24), 4727.

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.

Gadziola MA, et al. (2020) A Neural System that Represents the Association of Odors with Rewarded Outcomes and Promotes Behavioral Engagement. *Cell reports*, 32(3), 107919.

Lee K, et al. (2019) Gain Modulation by Corticostriatal and Thalamostriatal Input Signals during Reward-Conditioned Behavior. *Cell reports*, 29(8), 2438.

Muntean BS, et al. (2019) Allostatic Changes in the cAMP System Drive Opioid-Induced Adaptation in Striatal Dopamine Signaling. *Cell reports*, 29(4), 946.

White KA, et al. (2019) Glutamatergic Neurons in the Piriform Cortex Influence the Activity of D1- and D2-Type Receptor-Expressing Olfactory Tubercle Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(48), 9546.

Sutton LP, et al. (2019) NF1-cAMP signaling dissociates cell type-specific contributions of striatal medium spiny neurons to reward valuation and motor control. *PLoS biology*, 17(10), e3000477.