

Resource Summary Report

Generated by [NIF](#) on Sep 22, 2026

STOCK Tg(Drd2-cre)ER43Gsat/Mmucd

RRID:MMRRC_017268-UCD

Type: Organism

Proper Citation

RRID:MMRRC_017268-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=17268

Proper Citation: RRID:MMRRC_017268-UCD

Description: Mus musculus with name STOCK Tg(Drd2-cre)ER43Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: |cre|Drd2

Catalog Number: 017268-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_17268-UCD, MMRRC_017268, MMRRC_17268

Organism Name: STOCK Tg(Drd2-cre)ER43Gsat/Mmucd

Record Creation Time: 20230308T054947+0000

Record Last Update: 20260919T133426+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Drd2-cre)ER43Gsat/Mmucd.

No alerts have been found for STOCK Tg(Drd2-cre)ER43Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cryan CE, et al. (2025) Bmal1 Modulates Striatal cAMP Signaling and Motor Learning. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(28).

Zhang Y, et al. (2024) Targeting cAMP in D1-MSNs in the nucleus accumbens, a new rapid antidepressant strategy. Acta pharmaceutica Sinica. B, 14(2), 667.

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

Delevich K, et al. (2022) Activation, but not inhibition, of the indirect pathway disrupts choice rejection in a freely moving, multiple-choice foraging task. Cell reports, 40(4), 111129.

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.

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.

Klaus A, et al. (2017) The Spatiotemporal Organization of the Striatum Encodes Action Space. Neuron, 95(5), 1171.