

Resource Summary Report

Generated by PRECISE-TBI on Sep 1, 2026

C57BL/6-Tg(Drd1a-ChR2/YFP.-cre)ETyag/TyagRbrc

RRID:IMSR_RBRC04284

Type: Organism

Proper Citation

RRID:IMSR_RBRC04284

Organism Information

URL: <https://brc.riken.jp/mus/RBRC04284>

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Description: Mus musculus with name C57BL/6-Tg(Drd1a-ChR2/YFP.-cre)ETyag/TyagRbrc from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(Drd1-COP4/YFP.-cre)ETyag/TyagRbrc

Notes: gene symbol note: transgene insertion E||withdrawn; = Drd1|channelrhodopsin-2; mutant strain: Tg(Drd1a-ChR2/YFP;-cre)ETyag||Drd1a|ChR2

Affected Gene: transgene insertion E||withdrawn; = Drd1|channelrhodopsin-2

Genomic Alteration: transgene insertion E||dopamine receptor D1A|channelrhodopsin-2

Catalog Number: RBRC04284

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: sperm

Organism Name: C57BL/6-Tg(Drd1a-ChR2/YFP.-cre)ETyag/TyagRbrc

Record Creation Time: 20250513T061455+0000

Record Last Update: 20260829T053535+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Drd1a-ChR2/YFP.-cre)ETyag/TyagRbrc.

No alerts have been found for C57BL/6-Tg(Drd1a-ChR2/YFP.-cre)ETyag/TyagRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Jones JR, et al. (2015) Manipulating circadian clock neuron firing rate resets molecular circadian rhythms and behavior. Nature neuroscience, 18(3), 373.