

Resource Summary Report

Generated by PRECISE-TBI on Aug 10, 2026

B6.Cg-Actb^{tm1(tetO-ChR2*C128S/EYFP)Kftnk/KftnkRbrc}

RRID:IMSR_RBRC05454

Type: Organism

Proper Citation

RRID:IMSR_RBRC05454

Organism Information

URL: <https://brc.riken.jp/mus/RBRC05454>

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Description: Mus musculus with name B6.Cg-Actb^{tm1(tetO-ChR2*C128S/EYFP)Kftnk/KftnkRbrc} from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Actb/KftnkRbrc

Notes: gene symbol note: actin; beta; mutant stock: Actb

Affected Gene: actin; beta

Genomic Alteration: targeted mutation 1.1; Kenji Tanaka

Catalog Number: RBRC05454

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6.Cg-Actb^{tm1(tetO-ChR2*C128S/EYFP)Kftnk/KftnkRbrc}

Record Creation Time: 20250513T061502+0000

Record Last Update: 20260808T054848+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Actb^{tm1(tetO-ChR2*C128S/EYFP)Kftnk/KftnkRbrc}.

No alerts have been found for B6.Cg-Actb^{tm1(tetO-ChR2*C128S/EYFP)Kftnk/KftnkRbrc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kawai H, et al. (2022) Median raphe serotonergic neurons projecting to the interpeduncular nucleus control preference and aversion. Nature communications, 13(1), 7708.

Abe Y, et al. (2021) Optical manipulation of local cerebral blood flow in the deep brain of freely moving mice. Cell reports, 36(4), 109427.

Nishitani N, et al. (2021) Serotonin neurons in the median raphe nucleus bidirectionally regulate somatic signs of nicotine withdrawal in mice. Biochemical and biophysical research communications, 562, 62.