

# Resource Summary Report

Generated by T1D on Sep 21, 2026

## B6.Cg-Actb<sup>tm1(tetO-ChR2\*C128S/EYFP)Kftnk/KftnkRbrc</sup>

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<sup>tm1(tetO-ChR2\*C128S/EYFP)Kftnk/KftnkRbrc</sup> 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<sup>tm1(tetO-ChR2\*C128S/EYFP)Kftnk/KftnkRbrc</sup>

**Record Creation Time:** 20250513T061502+0000

**Record Last Update:** 20260919T063223+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Actb<sup>tm1(tetO-ChR2\*C128S/EYFP)Kftnk/KftnkRbrc</sup>.

No alerts have been found for B6.Cg-Actb<sup>tm1(tetO-ChR2\*C128S/EYFP)Kftnk/KftnkRbrc</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** RIKEN BioResource Research Center

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

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.