

Resource Summary Report

Generated by SPARC SAWG on Aug 17, 2026

C57BL/6-Tg(tetO-ArchT/EGFP)1Ahky/AhkyRbrc

RRID:IMSR_RBRC05842

Type: Organism

Proper Citation

RRID:IMSR_RBRC05842

Organism Information

URL: <https://brc.riken.jp/mus/RBRC05842>

Proper Citation: RRID:IMSR_RBRC05842

Description: Mus musculus with name C57BL/6-Tg(tetO-ArchT/EGFP)1Ahky/AhkyRbrc from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(tetO-aop3*/EGFP)1Ahky/AhkyRbrc

Notes: gene symbol note: tetracycline operon|Archaeorhodopsin-T||transgene insertion 1; Akihiro Yamanaka; mutant strain: tetO|ArchT||Tg(tetO-ArchT/EGFP)1Ahky

Affected Gene: tetracycline operon|Archaeorhodopsin-T||transgene insertion 1; Akihiro Yamanaka

Genomic Alteration: tetracycline operon|Archaeorhodopsin-T||transgene insertion 1; Akihiro Yamanaka

Catalog Number: RBRC05842

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: C57BL/6-Tg(tetO-ArchT/EGFP)1Ahky/AhkyRbrc

Record Creation Time: 20250513T061505+0000

Record Last Update: 20260815T054827+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(tetO-ArchT/EGFP)1Ahky/AhkyRbrc.

No alerts have been found for C57BL/6-Tg(tetO-ArchT/EGFP)1Ahky/AhkyRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.

Ohmura Y, et al. (2021) Disruption of model-based decision making by silencing of serotonin neurons in the dorsal raphe nucleus. Current biology : CB, 31(11), 2446.