

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

C57BL/6-App^{tm3(NL-G-F)Tcs}/TcsRbrc

RRID:IMSR_RBRC06344

Type: Organism

Proper Citation

RRID:IMSR_RBRC06344

Organism Information

URL: <https://brc.riken.jp/mus/RBRC06344>

Proper Citation: RRID:IMSR_RBRC06344

Description: Mus musculus with name C57BL/6-App^{tm3(NL-G-F)Tcs}/TcsRbrc from IMSR.

Species: Mus musculus

Synonyms: APP. B6-App/NL-G-F KI. C57BL/6-App. C57BL/6-App/TcsRbrc. B6(FVB)-App/TcsRbrc

Notes: gene symbol note: amyloid beta precursor protein; mutant strain: App

Affected Gene: amyloid beta precursor protein

Genomic Alteration: targeted mutation 3.1; Takaomi C Saido

Catalog Number: RBRC06344

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: C57BL/6-App^{tm3(NL-G-F)Tcs}/TcsRbrc

Record Creation Time: 20250513T061510+0000

Record Last Update: 20260905T052443+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-App^{tm3(NL-G-F)Tcs}/TcsRbrc.

No alerts have been found for C57BL/6-App^{tm3(NL-G-F)Tcs}/TcsRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Peressotti S, et al. (2026) Temporal Interference Stimulation Enhances Neural Regeneration. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(37), e24341.

Etani H, et al. (2025) Selective agonism of GPR34 stimulates microglial uptake and clearance of amyloid β fibrils. *Alzheimer's research & therapy*, 17(1), 248.

Papanikolaou A, et al. (2025) Selectively vulnerable deep cortical layer 5/6 fast-spiking interneurons in Alzheimer's disease models in vivo. *Neuron*, 113(14), 2265.

Huang ML, et al. (2025) Misclassification in memory modification in App^{NL-G-F} knock-in mouse model of Alzheimer's disease. *eLife*, 14.

Maruyama R, et al. (2025) β -Secretase exosites as targets for substrate-selective lowering of A β generation. *Structure* (London, England : 1993).

Honda K, et al. (2023) Accumulation of amyloid- β in the brain of mouse models of Alzheimer's disease is modified by altered gene expression in the presence of human apoE isoforms during aging. *Neurobiology of aging*, 123, 63.

Takebayashi Y, et al. (2023) Apolipoprotein E genotype-dependent accumulation of amyloid β in APP-knock-in mouse model of Alzheimer's disease. *Biochemical and biophysical research communications*, 683, 149106.

Aghaizu ND, et al. (2023) Microglial Expression of the Wnt Signaling Modulator DKK2 Differs between Human Alzheimer's Disease Brains and Mouse Neurodegeneration Models. *eNeuro*, 10(1).

Iguchi A, et al. (2023) INPP5D modulates TREM2 loss-of-function phenotypes in a β -amyloidosis mouse model. *iScience*, 26(4), 106375.

Kaneshiro N, et al. (2022) Lipid flippase dysfunction as a therapeutic target for endosomal anomalies in Alzheimer's disease. *iScience*, 25(3), 103869.

Mano T, et al. (2021) CUBIC-Cloud provides an integrative computational framework toward community-driven whole-mouse-brain mapping. *Cell reports methods*, 1(2), 100038.

Walgrave H, et al. (2021) Restoring miR-132 expression rescues adult hippocampal neurogenesis and memory deficits in Alzheimer's disease. *Cell stem cell*, 28(10), 1805.