Resource Summary Report

Generated by RRID on Jul 30, 2026

B6.129P2-Apoe$^{tm3(APOE*4)Mae}$ N8

RRID:IMSR_TAC:1549
Type: Organism

Proper Citation

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Organism Information

URL: https://www.taconic.com/transgenic-mouse-model/apoe4

Proper Citation: RRID:IMSR_TAC:1549

Description: Mus musculus with name B6.129P2-Apoe$^{tm3(APOE*4)Mae}$ N8 from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Apoe/Tac. APOE4 HUMANIZED KNOCK IN - C57BL/6 Background

Notes: gene symbol note: apolipoprotein E; mutant strain|congenic strain: Apoe

Affected Gene: apolipoprotein E

Genomic Alteration: targeted mutation 3; Nobuyo Maeda

Catalog Number: TAC:1549

Database: Taconic Biosciences

Database Abbreviation: TAC

Availability: live

Organism Name: B6.129P2-Apoe$^{tm3(APOE*4)Mae}$ N8

Record Creation Time: 20250513T053517+0000

Record Last Update: 20260725T044217+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Apoe$^{tm3(APOE*4)Mae}$ N8.

No alerts have been found for B6.129P2-Apoe$^{tm3(APOE*4)Mae}$ N8.

Data and Source Information

Source: Integrated Animals

Source Database: Taconic Biosciences

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Park Y, et al. (2025) Mirodenafil improves cognitive function by reducing microglial activation and blood-brain barrier permeability in ApoE4 KI mice. Frontiers in aging neuroscience, 17, 1579411.

Ivanich K, et al. (2025) Ketogenic Diet Modulates Gut Microbiota-Brain Metabolite Axis in a Sex- and Genotype-Specific Manner in APOE4 Mice. Journal of neurochemistry, 169(9), e70216.

Toro CA, et al. (2021) The Human ApoE4 Variant Reduces Functional Recovery and Neuronal Sprouting After Incomplete Spinal Cord Injury in Male Mice. Frontiers in cellular neuroscience, 15, 626192.

Zhao N, et al. (2020) Alzheimer's Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. Neuron, 106(5), 727.

Tensaouti Y, et al. (2020) Apolipoprotein E regulates the maturation of injury-induced adult-born hippocampal neurons following traumatic brain injury. PloS one, 15(3), e0229240.

Tensaouti Y, et al. (2018) ApoE Regulates the Development of Adult Newborn Hippocampal Neurons. eNeuro, 5(4).

Huynh TV, et al. (2017) Age-Dependent Effects of apoE Reduction Using Antisense Oligonucleotides in a Model of ?-amyloidosis. Neuron, 96(5), 1013.