Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

129S4.Cg-Tg(APPSwe.tauP301L)1Lfa Psen1^{tm1Mpm}/LfaJ

RRID:IMSR_JAX:031988
Type: Organism

Proper Citation

RRID:IMSR_JAX:031988

Organism Information

URL: https://www.jax.org/strain/031988

Proper Citation: RRID:IMSR_JAX:031988

Description: Mus musculus with name 129S4.Cg-Tg(APPSwe.tauP301L)1Lfa Psen1 ^{tm1Mpm}/LfaJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: thymus cell antigen 1; theta|presenilin 1|microtubule associated protein tau|amyloid beta precursor protein|transgene insertion 1; Frank M LaFerla; mutant strain|congenic strain: Thy1|Psen1|MAPT|APP|Tg(APPSwe;tauP301L)1Lfa

Affected Gene: thymus cell antigen 1; theta|presenilin 1|microtubule associated protein tau|amyloid beta precursor protein|transgene insertion 1; Frank M LaFerla

Genomic Alteration: transgene insertion 1; Frank M LaFerla|targeted mutation 1; Mark P Mattson

Catalog Number: JAX:031988

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: 129S4.Cg-Tg(APPSwe.tauP301L)1Lfa Psen1^{tm1Mpm}/LfaJ

Record Creation Time: 20250513T053826+0000

Record Last Update: 20260808T051022+0000

Ratings and Alerts

No rating or validation information has been found for 129S4.Cg-Tg(APPSwe.tauP301L)1Lfa Psen1^{tm1Mpm}/LfaJ.

No alerts have been found for 129S4.Cg-Tg(APPSwe.tauP301L)1Lfa Psen1^{tm1Mpm}/LfaJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

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 .

Zhou Q, et al. (2022) Human tau accumulation promotes glycogen synthase kinase-3?? acetylation and thus upregulates the kinase: A vicious cycle in Alzheimer neurodegeneration. EBioMedicine, 78, 103970.

Zheng J, et al. (2020) Interneuron Accumulation of Phosphorylated tau Impairs Adult Hippocampal Neurogenesis by Suppressing GABAergic Transmission. Cell stem cell, 26(3), 331.