

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

[Tg\(PSEN1\)5Dbo; Hprt^{tm1\(Camk2a-APP*Swe*Lon/-MAPT*P301L*R406W\)Geno/Hprt⁺}](#)

RRID:MGI:5428425

Type: Organism

Proper Citation

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Organism Information

URL:

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Description: Allele Detail: Transgenic, Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic, Targeted This is a legacy resource.

Phenotype: abnormal long term potentiation, fragmentation of sleep/wake states, abnormal short term object recognition memory, abnormal motor coordination/balance, abnormal glucose homeostasis, abnormal spatial working memory, abnormal learning/memory/conditioning, abnormal brain wave pattern, hyperactivity, nervous system phenotype, abnormal spatial reference memory, decreased paired-pulse facilitation

Affected Gene: Hprt

Genomic Alteration: Tg(PSEN1)5Dbo, tm1(Camk2a-APP*Swe*Lon, -MAPT*P301L*R406W)Geno

Catalog Number: 5428425

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22096518](#)

Organism Name: Tg(PSEN1)5Dbo; Hprt^{tm1}(Camk2a-APP*Swe*Lon/-MAPT*P301L*R406W)Geno/Hprt⁺

Record Creation Time: 20240120T190144+0000

Record Last Update: 20240130T201740+0000

Ratings and Alerts

No rating or validation information has been found for Tg(PSEN1)5Dbo; Hprt^{tm1}(Camk2a-APP*Swe*Lon/-MAPT*P301L*R406W)Geno/Hprt⁺.

No alerts have been found for Tg(PSEN1)5Dbo; Hprt^{tm1}(Camk2a-APP*Swe*Lon/-MAPT*P301L*R406W)Geno/Hprt⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.