

# Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

Tg(PSEN1)5Dbo; Hprt<sup>tm1</sup>(Camk2a-APP\*Swe\*Lon/-MAPT\*P301L\*R406W)Geno/Hprt<sup>+</sup>

RRID:MGI:5428425

Type: Organism

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## Proper Citation

RRID:MGI:5428425

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## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:5428425

**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<sup>tm1</sup>(Camk2a-APP\*Swe\*Lon/-MAPT\*P301L\*R406W)Geno/Hprt<sup>+</sup>

**Record Creation Time:** 20240120T190144+0000

**Record Last Update:** 20240130T201740+0000

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## Ratings and Alerts

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

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.