



# B6.Cg-Tg(APP Swe, tau<sup>P301L</sup>/J)1Lfa

Stock No: 008880 | 3xTg-AD on C57BL/6J

Congenic, Targeted Mutation, Transgenic

Not Available

NOT AVAILABLE AT JAX

[VIEW REPLACEMENT](#)

**Please contact Technical Support for more information**

## Also Known As: 3xTg-AD on C57BL/6J, 3xTg-AD

Stock No. 008880 has been discontinued. A suitable replacement may be the 3xTg-AD mice on B6;129 genetic background (Stock No. [004807](#) B6;129-Tg(APP<sup>Swe</sup>,tauP301L)1Lfa *Psen1*<sup>tm1Mpm</sup>/Mmjax) or the 3xTg-AD mice on 129S4 genetic background (Stock No. [031988](#) 129S4.Cg-Tg(APP<sup>Swe</sup>,tauP301L)1Lfa *Psen1*<sup>tm1Mpm</sup>/LfaJ).

3xTg-AD mice harbor a *Psen1* PS1M146V mutation and the co-injected APP<sup>Swe</sup> and tauP301L transgenes (Tg(APP<sup>Swe</sup>,tauP301L)1Lfa)). These mice may be useful for studying plaque and tangle pathology associated with synaptic dysfunction and Alzheimer's disease.

### GENETIC OVERVIEW

Genetic Background      Generation

#### Tg(APP<sup>Swe</sup>,tauP301L)1Lfa

Allele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

#### *Psen1*<sup>tm1Mpm</sup>

| Allele Type | Gene Symbol  | Gene Name    |
|-------------|--------------|--------------|
| Targeted    | <i>Psen1</i> | presenilin 1 |

V I E W   G E N E T I C S

### RESEARCH APPLICATIONS

Neurobiology Research  
Research Tools  
Developmental Biology Research  
Mouse/Human Gene Homologs

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

⊖ Details

⊕ Expression Data

⊕ Control Suggestions

⊕ Selected References

⊖ Genetics

+ [Tg\(APPSwe,tauP301L\)1Lfa](#)

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+ [Psen1<sup>tm1Mpm</sup>](#)

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## - Disease/Phenotype

+ [Disease Terms](#)

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+ [Research Areas By Genotype](#)

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+ [Mammalian Phenotype Terms by Genotype](#)

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+ [References](#)

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## - Technical Support

C H A T   O  F L I N E

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Pyrosequencing: [Psen1<sup>tm1Mpm</sup>](#)

End Point Analysis: [Psen1<sup>tm1Mpm</sup>-EP](#)

Standard PCR: [Tg\(TAU\\*P301S\)#Elan](#)

[Genotyping resources and troubleshooting](#)

### Mating System

HOM HOM x HOM HO

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Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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# TOMORROW'S CURES

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