

B6.Cg-Tg(Camk2a-tTA)1Mmay/DboJ

Stock No: **007004** | CaMKII-tTA

 Congenic, Transgenic

Live mice available in varying quantities. Ask Customer Service for details.

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

tetracycline analog, doxycycline. These mice are a "Tet-Off" tool that allow the inducible expression of genes in forebrain neurons, and may be useful in studying brain disorders such as Alzheimer's, Parkinson's disease, or other neurodegenerative diseases.

The CaMK2a-tTA transgene integrated into chromosome 12 causing a 508 Kb deletion that spans the 3' half of *Vipr2*, the entire *Wdr60*, *Esy12*, *D430020J02Rik* and *Ncapg2* loci and the first two exons of *Ptpm2*. Homozygous mice will therefore have a functional knock-out of the deleted loci, and altered or null expression of *Vipr2* and *Ptpm2*. Founder line 1 has >20 transgene copies [[Goodwin et al. 2019 Genome Res. 29:494](#)].

Donating Investigator

Dr. David R Borchelt, University of Florida

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

[N9+pN9F3](#)
(2019-10-02 00:00:00)

Tg(Camk2a-tTA)1Mmay

Alele Type

Transgenic (Null/Knockout, Transactivator)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
Research Tools

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

BASE PRICE

Starting at:

\$278.00 Domestic price for female 4-week

348.51 Domestic price for breeder pair

V I E W P R I C E L I S T

[+ Details](#)

[+ Genetics](#)

[+ Disease/Phenotype](#)

[+ Technical Support](#)

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

[+ Pricing & Availability](#)

[+ Terms Of Use](#)

[+ Related Strains](#)




DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



 [CONTACT](#)

 [DONATE](#)

 [SUBSCRIBE](#)

[JAX HOME](#) [CAREERS](#) [PRIVACY POLICY](#) [TERMS OF USE](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)


[MOUSE PHENOME DATABASE](#)

Leading the search for

TOMORROW'S CURES



©2020 THE JACKSON LABORATORY

Choose other country or region 

[^](#) [E](#) [E](#) [E](#) [D](#) [B](#)

Did you find what you were looking for?

Yes No