

B6;SJL-Tg(Thy1-cre/ERT2,-EYFP)VGfng/J

Stock No: **007610**

 **Transgenic**

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

PLACE ORDER

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

the mouse thymus cell antigen 1 promoter. When crossed with a strain containing a *loxP* site flanked sequence of interest, the offspring are useful for generating tamoxifen-induced, Cre-mediated targeted neuron-specific deletions only in neurons that express Yellow Fluorescent Protein. The Donating Investigator reports that founder line V mice express the transgene sparsely in neurons of the central nervous system.

Donating Investigator

Guoping Feng, Massachusetts Institute of Technology

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(Thy1-cre/ERT2,-EYFP)VGfng

Alele Type

Transgenic (Recombinase-expressing, Reporter, Inducible)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

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

Details

Detailed Description

These transgenic mice ("SLICK" for single-neuron labeling with inducible Cre-mediated knock-out) have a tamoxifen inducible Cre-mediated recombination system and Enhanced Yellow Fluorescent Protein driven by 2 bidirectional copies of the mouse thymus cell antigen 1 promoter. Hemizygotes are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator has not attempted to make the strain homozygous. When crossed with a strain containing a *loxP* site flanked sequence of interest, the offspring are useful for generating tamoxifen-induced, Cre-mediated targeted neuron-specific deletions only in neurons where the *Thy1* is active. These cells will be evident by the expression of Yellow Fluorescent Protein. Transgenic mice express YFP constitutively in neurons. The Donating Investigator reports that founder line V mice express the transgene sparsely in neurons of the central nervous system.

This strain is one of many from Dr. Guoping Feng (Duke University Medical Center) with fluorescent protein expression for neurobiological studies, including SLICK line A (Stock No. [007606](#)), Thy1-ChR2-YFP line 18 (Stock No. [007612](#)), and Thy1-ChR2-YFP line 9 (Stock No. [007615](#)).

[View YFP fluorescence in sagittal brain sections for this strain.](#)

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Thy1-cre/ERT2,-EYFP)VGfng

– Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

– 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

Genotyping Protocols

QPCR:[Tg\(Thy1-cre/ERT2,-EYFP\)](#)

Standard PCR:[Tg\(Thy1-cre/ERT2,-EYFP\)](#)

Standard PCR:[Tg\(Thy1-cre/ERT2,-EYFP\)](#)

Standard PCR:[Tg\(Thy1-cre/ERT2,-EYFP\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;SJL-Tg(Thy1-cre/ERT2,-EYFP)/Gfng/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007610 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

– Pricing & Availability



Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or Non carrier for Tg(Thy1-cre/ESR1,-EYFP)VGfng	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;SJL-Tg(Thy1-cre/ERT2 -EYFP)VGfng/J Frozen Embryo	\$2595.00
-------------------------------------	---	-----------

PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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


LEGAL INFORMATION

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

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

Did you find what you were looking for?

Yes No