

## STOCK Tg(Thy1-EGFP)MJrs/J

Stock No: **007788** | Thy1-GFP line M

 Transgenic

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

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### Donating Investigator

Joshua R Sanes, Harvard University

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## GENETIC OVERVIEW

### Genetic Background

### Generation

?+N3F6  
(2019-01-25 00:00:00)

## Tg(Thy1-EGFP)MJrs

### Allele Type

Transgenic (Reporter)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

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\$255.00 Domestic price for female 4-week

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333.51 Domestic price for breeder pair

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

### Details

#### Detailed Description

Mice harboring the Thy1-GFP transgene are viable and fertile with enhanced green fluorescent protein (EGFP) expression under the control of a modified Thy1 promoter region (containing the sequences required for neuronal expression but lacking the sequences required for expression in non-neural cells). Homozygous or hemizygous Thy1-GFP mice derived from founder line M (Thy1-GFP-M or Thy1-GFPM) express EGFP in sparse subsets of neurons within specific populations; providing a bright, vital Golgi-like stain. Less than 10% of all motor axons, retinal ganglion cells, lumbar dorsal root ganglion, and cortex express EGFP. These Thy1-GFPM transgenic mice may be useful in neurobiological studies for fluorescent labeling of neural tissues, especially for mossy fibers in the cerebellum and intense, yet sparse, labeling of a variety of neuronal subsets.

This strain is one of many from the donating investigator with specific/differential fluorescent protein expression in neural tissues (see Stock No. [003709](#), Stock No. [003710](#), Stock No. [003782](#), and Stock No. [005630](#)) or multiple fluorescent protein expression in neural tissues (see the Brainbow mice; Stock No. [007901](#), Stock No. [007910](#), Stock No. [007911](#), Stock No. [007921](#)).

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#### Development

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#### Expression Data

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#### Control Suggestions

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#### Selected References

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### Genetics

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#### Tg(Thy1-EGFP)MJrs

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### Disease/Phenotype

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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

Standard PCR:[Tg\(Thy1-YFP\)HJrs-alternate2](#)

[Genotyping resources and troubleshooting](#)

#### Dietary Information

LabDiet® 5K52 formulation (6% fat)

#### Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype (noncarrier) siblings. The donating investigator suggests that backcrossing these mice onto the C57BL/6 genetic background may lead to breeding difficulties.

#### [Additional Breeding and Husbandry Support](#)

##### Mating System

Noncarrier x Hemizygote

##### Citation

When using the Thy1-GFP line M mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007788 in your Materials and Methods section.

#### Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX18 \(Maximum\)](#)

## [- Pricing & Availability](#)



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

Available

**Domestic** | **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
11 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
11 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
	Male	Hemizygous for Tg(Thy1-EGFP)MJrs	\$255.00
12 weeks	Female	Noncarrier	\$78.51

SEX

Noncarrier

\$78.51

## BREEDER PAIR

SEX	GENOTYPE	PRICE
Female	Hemizygous for Tg(Thy1-EGFP)MJrs	\$333.51
Male	Noncarrier	
Female	Noncarrier	\$333.51
Male	Hemizygous for Tg(Thy1-EGFP)MJrs	

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	STOCK Tg(Thy1-EGFP)MJrs/J Frozen Embryo	\$2595.00
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[Terms Of Use](#)

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Phone: 207-288-6470

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

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