

B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J

Stock No: 007902 | ChAT^{BAC}-eGFP

 Congenic, Transgenic

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

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peripheral nervous system and may be useful for studying cholinergic neurotransmission and neuromuscular coupling.

Donating Investigator

Michael I Kotlikoff, Cornell University

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GENETIC OVERVIEW

Genetic Background

Generation

N6+N2F5
(2020-03-19 00:00:00)

Tg(RP23-268L19-EGFP)2Mik

Alele Type

Transgenic (Reporter)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

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

Details

Detailed Description

Mice hemizygous for the ChAT(BAC)-eGFP (ChAT^{BAC} -eGFP) transgene are viable and fertile, with the endogenous choline acetyltransferase (ChAT) transcriptional regulatory elements (cholinergic gene locus) directing enhanced green fluorescent protein (EGFP) protein expression during development as well as in the adult mouse. As such, EGFP is expressed in central and peripheral cholinergic neurons, including cell bodies and processes of the somatic motor, somatic sensory, and parasympathetic nervous system in gastrointestinal, respiratory, urogenital, cardiovascular, and other peripheral organ systems and neuromuscular junctions. These ChAT(BAC)-eGFP transgenic mice allow fluorescent visualization of cholinergic elements of the central and peripheral nervous system and may be useful for studying cholinergic neurotransmission and neuromuscular coupling.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(RP23-268L19-EGFP)2Mik

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: [Generic GFP/EGFP qPCR](#)

Standard PCR: [Tg\(RP23-268L19-EGFP\)2Mik](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, homozygous ChAT(BAC)-eGFP mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the ChAT^{BAC}-eGFP mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007902 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

[- 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	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
5 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
6 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
7 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
8 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
9 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
10 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
11 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
12 weeks	Female	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00
	Male	Homozygous for Tg(RP23-268L19-EGFP)2Mik	\$255.00

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.Cg-Tg(RP23-268L19-EGFP)2Mik/J Frozen Embryo	\$2595.00
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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](#)

Q U E S T I O N S A B O U T T E R M S O F U S E

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






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