

FVB.B6-Tg(CAG-cat,-EGFP)1Rbns/KrnzJ

Stock No: **024636**

 Congenic, Transgenic

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

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be useful for labeling and tracking multipotent cell lineages during development and adult stages.

Donating Investigator

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(CAG-cat,-EGFP)1Rbns

Alele Type

Transgenic (Conditional ready (e.g. floxed), Reporter)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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

CAG-CAT-EGFP mice have a *loxP*-flanked chloramphenicol acetyltransferase (CAT) sequence upstream from an enhanced green fluorescent protein (EGFP) sequence, both under the transcriptional control of a CAG (cytomegalovirus (CMV) early enhancer element and chicken beta-actin) promoter. Heterozygotes are viable and fertile, while homozygotes are viable but infertile. The floxed-CAT sequence blocks transcription of EGFP. When these mutant mice are bred to mice that express Cre recombinase, the resulting offspring will express EGFP in *cre* expressing tissues. EGFP fluorescence can be used for tracing multipotent cell lineages.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(CAG-cat,-EGFP)1Rbns

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: [Tg\(CAG-cat,-EGFP\)1Rbns](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to non-carrier (wildtype) mice from the colony, or to FVB/NJ inbred mice (Stock No. [001800](#)). Homozygous mice are infertile.

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB.B6-Tg(CAG-cat,-EGFP)1Rbns/KrnzJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024636 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



Cryo
Recovery

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 Carrir for Tg(CAG-cat,-EGFP)1Rbns	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

FVB.B6-Tg(CAG-cat -EGFP)1Rbns/KrnzJ 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

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[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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Yes No