

STOCK Tg(tetN_{ZL})2Bjd/J

Stock No: 003274

 Transgenic

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

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Donating Investigator

Dr. Hermann Bujard, Universität Heidelberg

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(tetN_{ZL})2Bjd

Alele Type

Transgenic (Inserted expressed sequence)

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

In this strain both the *lacZ* gene with a nuclear localization signal (NZ) and the luciferase gene (L) are driven by a bidirectional, tetracycline-responsive promoter element (TRE). When mated to a strain expressing the tetracycline-controlled activator proteins tTA or rtTA coupled to tissue-specific promoters, *lacZ* and luciferase will be expressed in the appropriate tissue in a tetracycline-inducible fashion. According to the donating investigator, the expression of the two reporter genes is biased toward higher levels of *lacZ* than of luciferase, which, although low, is still measurable.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(tetNZL)2Bjd

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

– 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:Luciferase: [Tg\(tetNZL\)2Bjd](#), [Tg\(tetL\)1Bjd](#), [Tg\(Fos-luc\)1Rnd](#)
Separated PCR:Luciferase: [Tg\(tetNZL\)2Bjd](#), [Tg\(tetL\)1Bjd](#), [Tg\(Fos-luc\)1Rnd](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote

Appearance

white bellied agouti

Related Genotype: $A^w/?$

black

Related Genotype: a/a

Citation

When using the STOCK [Tg\(tetNZL\)2Bjd/J](#) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003274 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 carrier for Tg(tetN ^{ZL})2Bjd	\$2,854.50

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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.

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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.

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Email: TechTran@jax.org

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By Gene

By Collection



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