

FVB-Tg(Tek-cre)2352Rwng/J

Stock No: 008537

 Coisogenic, Transgenic

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

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endothelial cell specific-targeted conditional mutations.

Donating Investigator

Rong Wang, Univ of California Medical Center (UCSF)

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Tek-cre)2352Rwng

Alele Type

Transgenic (Recombinase-expressing)

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

These transgenic mice express the Cre recombinase under the control of the mouse *Tek*, endothelial-specific receptor tyrosine kinase (also known as *Tie2*), promoter. Cre recombinase expression is detected in most endothelial cells and blood islands of the extraembryonic mesoderm by embryonic day (ED)7.5 and in the dorsal aorta by ED8.5. Especially high levels of expression are seen in head vasculature by ED9. When crossed with reporter strains (expressing beta-galactosidase or alkaline phosphatase), recombination is detected in all blood vessels and some blood cells examined at ED11.5, which indicates that Cre activity occurs in early vascular progenitor cells, endothelial cells and some hematopoietic cells. Mice homozygous for the transgene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. This strain represents an effective tool for generating endothelial cell specific-targeted conditional mutations.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Tek-cre)²³⁵²Rwng

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice may be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB-Tg(Tek-cre)2352Rwng/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008537 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 for Tg(Tek-cre)2352Rwng	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

FVB-Tg(Tek-cre)2352Rwng/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

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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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TOMORROW'S CURES



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