

B6.129-Tyro3^{tm1Gr1}/J

Stock No: **007937**

 Congenic, Targeted Mutation

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

Greg Lemke, The Salk Institute

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GENETIC OVERVIEW

Genetic Background

Generation

Tyro3^{tm1Gr1}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Tyro3

TYRO3 protein tyrosine kinase 3

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular Research

Hematological Research

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

Mice that are homozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. No gene product (protein) is detected by Western blot analysis of brain lysate. Homozygotes exhibit decreased sensitivity to induced pathological thrombosis resulting in reduced fatal pulmonary embolism (25% of wild-type). Platelet aggregation and clot retraction after thrombin treatment is impaired. Platelet signaling and secretion is also defective. Activity induced seizures can occur in mutant mice over the age of seven months. This mutant mouse strain may be useful in studies of thrombosis and platelet aggregation.

Development

Control Suggestions

Selected References

Genetics

Tyro3^{tm1Grl}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated PCR:[Tyro3](#)

Separated PCR:[Tyro3 MCA SEP](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129-Tyro3^{tm1Gr1}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007937 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

Domestic Pricing for



Commercial & For-Profit



Not-For-Profit & Academic

Cryorecovery - Domestic Pricing

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous or wildtype for Tyro3<tm1Gr1>	\$2,854.50

Related Products and Services

Frozen Mouse Embryo	B6.129-Tyro3<tm1Gr1>/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.

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Terms Of Use

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Licensing Information

Phone: 207-288-6470

Email: TechTran@jax.org

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