

FVB/N-Tg(CryHIVPR)72Gjj/J

Stock No: 002456 | TG72

 Transgenic

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

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perinuclear region of the lens.

Donating Investigator

Dr. Gerald Jonak, DuPont Merck Pharmaceutical Company

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(CryHIVPR)72Gjj

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural Research

Research Tools

Virology 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 homozygous for the expression of HIV-1 protease (*HIVPr*) linked to the lens alphaA-crystallin promoter are viable and fertile. Homozygotes develop bilateral cataracts at 23 - 24 days of age, beginning in the perinuclear region of the lens. Proteolysis begins with the loss of betaB1-, betaB3- and betaA3-crystallins and the appearance of crystallin fragments, accompanied by protein leakage and breakdown of cytoskeletal elements. It appears that the HIV-1 protease works in concert with other endogenous proteases to induce the changes that eventually result in opacification of the lens.

Expression Data

Control Suggestions

Selected References

Genetics

Tg(CryHIVPR)72Gjj

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
[Genotyping resources and troubleshooting](#)

Breeding Considerations

While maintaining a live colony, these mice are bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the TG72 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002456 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



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Domestic		International
Pricing effective for USA, Canada and Mexico shipping destinations		
CRYORECOVERY - DOMESTIC PRICING		
SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Homozygous for Tg(CryHIVPR)72Gjj, 1 pair minimum	\$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.

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.

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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.](#)

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