

B6;C3-Tg(Pmp-CRYAB)Z104Dbo/J

Stock No: **027513** | α B-crys Z104

 Transgenic

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

protein promoter and may be useful in studies of amyotrophic lateral sclerosis (ALS or Lou Gehrig's disease), protein aggregation and neuronal proteostasis.

Donating Investigator

Dr. David R Borchelt, University of Florida

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(Pmp-CRYAB)Z104Dbo

Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
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

The small heat-shock protein family member alpha B crystallin binds misfolded proteins and holds them in large soluble aggregates.

These transgenic mice express the human alpha B crystallin under the direction of the mouse prion protein promoter, producing approximately 6-fold overexpression of alpha beta crystallin (mouse and human) in the spinal cord, approximately 30-fold overexpression in the forebrain, and high levels of expression also detected in the cerebellum by Western blot analysis. Transgenic mice exhibit 20% more motor neurons in the spinal cord when compared to wildtype controls.

Mice that are hemizygous for the transgene are viable and fertile. The Donating Investigator has not attempted to make the strain homozygous.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Prnp-CRYAB)Z104Dbo

Disease/Phenotype

Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- 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:[Tg\(Prnp-CRYAB\)Z104Dbo-Alternate 1](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype siblings, or to B6C3F1/J mice (Stock No. [100010](#)). The Donating Investigator has not attempted to make the strain homozygous.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote
Hemizygote x Noncarrier

Citation

When using the α B-crys Z104 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #027513 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(Prnp-CRYAB)Z104Dbo	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;C3-Tg(Prnp-CRYAB)Z104Dbo/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](#)

TERMS OF USE

[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

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

[Related Strains](#)

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS


MOUSE PHENOME DATABASE

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes No