

B6.129S4-Cxcr3^{tm1Arsa}/SoghJ

Stock No: 023337 | CIBER

 Targeted Mutation

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](#)

expressing immune cells during infection and disease progression.

Donating Investigator

Abhay Satoskar, The Ohio State University Medical Center

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Cxcr3^{tm1Arsa}

Alele Type

Gene Symbol

Gene Name

Targeted (Reporter)

Cxcr3

chemokine (C-X-C motif) receptor 3

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Immunology, Inflammation and Autoimmunity 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

In this *CIBER* strain, an internal ribosome entry site (IRES), an enhanced green fluorescent protein (EGFP), and bovine growth hormone polyadenylation sequence were placed downstream of exon 2 of the X-linked chemokine (C-X-C motif) receptor 3 (*Cxcr3*) gene. Homozygous females and hemizygous males are viable and fertile. *Cxcr3* encodes a chemokine receptor involved in immunity, autoimmunity, and progression of diseases such as cancer, and atherosclerosis. In these *CIBER* mice, GFP fluorescence is seen on activated Th1 cells, CD8⁺ T cells, NK cells, NKT cells, natural regulatory T cells, as well as innate CD8⁺ T cells.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Cxcr3^{tm1Arsa}

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:[Cxcr3](#)

Separated PCR:[GAL Panel-B6J vs. B6N](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This gene is X-linked. When maintaining a live colony, homozygous females may be bred with hemizygous males.

[Additional Breeding and Husbandry Support](#)

Citation

When using the CIBER mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023337 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	X Linked - Heterozygous females and Wildtype males for	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.129S4-Cxcr3<tm1Arsa>/SoghJ

\$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](#)

QUESTIONS ABOUT TERMS OF USE

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