

C3H/HeSn-*bc*^{3J}/J

Stock No: **000775**

 Coisogenic, Spontaneous Mutation

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

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coordination.

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GENETIC OVERVIEW

Genetic Background

Generation

Kcnn2^{*bc-3J*}

Alele Type

Spontaneous

Gene Symbol

Kcnn2

Gene Name

potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2

Clcc1^{*m1J*}

Alele Type

Spontaneous

Gene Symbol

Clcc1

Gene Name

chloride channel CLIC-like 1

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Reproductive Biology Research

Developmental Biology Research

Cell Biology 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

Similar to the original bouncy allele (*bc*), mice homozygous for bouncy 3J (*bc*^{3J}) exhibit moderate tremors, an impaired (bouncy) gait, male infertility and small body size. Some homozygous mice die before weaning; mice that survive have a normal lifespan. This mutant mouse strain may be useful in neurological studies of motor coordination. The *Clcc1*^{m1J} spontaneous mutation, which causes increased sensitivity to endoplasmic reticulum stress in the cerebellum, was identified in C3H/HeSnJ (Jia et al., 2015) and has been found homozygous in all C3H/HeSn strains assessed at The Jackson Laboratory, including this mutant subline, which is homozygous for *Clcc1*^{m1J}.

Development

Selected References

Genetics

Kcnn2^{bc-3J}

Clcc1^{m1J}

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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The colony is maintained by mating homozygous females to heterozygous males or by mating heterozygote x heterozygote. Homozygous males are sterile. Homozygous mutants must be at least 4 weeks of age to be shipped.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C3H/HeSn-*bc*^{3J}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000775 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

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Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

C3H/HeSn-bc<3J>/J Frozen Embryos

\$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.

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[General Terms and Conditions](#)

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Email: TechTran@jax.org[Related Strains](#)

All

By Allele

By Gene

By Collection



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