

C3.SW/Lt-Chr Y^{SW}/J

Stock No: 002111 | C3.SW-Chr Y^{SW}

 Congenic, Consomic

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extreme islet hyperplasia.

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GENETIC OVERVIEW

Genetic Background

Generation

VIEW GENETICS

RESEARCH APPLICATIONS

Diabetes and Obesity Research
Research Tools

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BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

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Details

Detailed Description

C3.SW- $H2^b$ /SnJ (Stock number 000438) males exhibit maturity onset impairment of glucose tolerance and hyperinsulinemia. In contrast to Stock number 002110, this strain carries the C3.SW- $H2^b$ /SnJ Y chromosome. Males develop extreme hyperinsulinemia, transiently elevated plasma glucose and extreme islet hyperplasia. This strain and Stock number 002110 demonstrate that the Y chromosome modulates the level of hyperinsulinemic and glycemic stress exerted upon pancreatic beta cells.

Development

Selected References

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Genotyping resources and troubleshooting

Appearance

agouti

Related Genotype: A/A

Citation

When using the C3.SW-Chr Y^{SW} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002111 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	Y linked - Y<SW>	\$2,854.50

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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

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection






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