

B6.129P2-Cic^{Gt(XE565)Byg}/HzoJ

Stock No: **018133**

 Congenic, Gene Trap

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

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ataxia type I.

Donating Investigator

Huda Zoghbi, Baylor College of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Cic^{Gt(XE565)Byg}

Allele Type

Gene trapped (Reporter, Null/Knockout)

Gene Symbol

Cic

Gene Name

capicua transcriptional repressor

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Internal/Organ Research

Cell Biology Research

Neurobiology 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

Cic (capicua homolog (Drosophila)) is a transcriptional repressor gene regulated by *Egf* (epidermal growth factor).

Most homozygous *Cic* gene-trap mice die around postnatal day 21 (P21). Those that survive are smaller than their littermates and show a lung alveolarization defect. They lack expression of the *Cic*-L (long) isoform, but express reduced levels (~15%) of *Cic*-S (short) isoform in the lung and cerebellum. As such, this allele is considered to be a hypomorph.

Heterozygotes express both the *Cic*-L and *Cic*-S isoforms at about 50% normal levels. Disruption of the *Cic* gene is accompanied by a proportionate reduction in the expression of *Atxn1* (ataxin 1) and *Atxn1l* (ataxin 1-like) in the cerebellum, confirming the interdependency of the genes. Mutations in *Atxn1* are associated with spinocerebellar ataxia type I (SCA1).

Development

Control Suggestions

Selected References

Genetics

Cic^{Gt(XE565)}Byg

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

Separated PCR:[Cicalternate1](#)

Separated MCA:[Cicalternate1 MCA](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Heterozygotes are viable and fertile. Most homozygotes die around postnatal day 21 (P21)

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129P2-*Cic*^{Gt(XE565)Byg}/HzoJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018133 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	Heterozygous or wildtype for Cic<Gt(XE565)Byg>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129P2-Cic<Gt(XE565)Byg>/HzoJ Frozen Embryo	\$2595.00
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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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