

**B6N.129P2-Dazl<sup>tm1Hjc</sup>/J**Stock No: **023802** Congenic, Targeted Mutation

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

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female-specific sexual differentiation in homozygous knockout mice. This phenotype appears to be sensitive to the genetic background.

### Donating Investigator

David Page, Whitehead Institute for Biomedical Research

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## GENETIC OVERVIEW

**Genetic Background****Generation***Dazl<sup>tm1Hjc</sup>***Alele Type**

Targeted (Null/Knockout)

**Gene Symbol***Dazl***Gene Name**

deleted in azoospermia-like

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Reproductive 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

*Dazl* (deleted in azoospermia-like) is a germ cell-specific RNA binding protein that is expressed in post-migratory primordial germ cells as well as postnatal germ cells. On the C57BL/6N genetic background, it acts as a competence factor for gametogenesis.

These mice carry a targeted knockout of *Dazl* on the C57BL/6N genetic background. RT-PCR confirms the absence of transcript and western blot/immunohistochemistry fail to detect any protein generated from the null allele. Heterozygotes are viable and fertile. Homozygotes are infertile, but otherwise healthy. Germ cells fail to activate genes required for both male-specific and female-specific sexual differentiation in homozygous knockout mice. Post migratory germ cells retain PGC-like gene expression and eventually die. This phenotype appears to be sensitive to strain background, however.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Dazl*<sup>tm1Hjc</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

## [- Technical Support](#)

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Standard PCR:[Dazl](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

Heterozygotes are viable and fertile. Some of the males are poor breeders. Homozygotes are infertile, but otherwise healthy.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the B6N.129P2-*Dazl*<sup>tm1Hjc</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023802 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
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for <i>Dazl</i> <tm1Hjc>	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6N.129P2-Dazl<tm1Hjc>/J

\$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.

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## LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection



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