

**B6;129S1-*Plk3*<sup>tm1Elan</sup>/J**

Stock No: **018922**

 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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### Donating Investigator

Dr. Winston Thomas, Elan Pharmaceuticals

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## GENETIC OVERVIEW

Genetic Background

Generation

*Plk3<sup>tm1Elan</sup>*

**Alele Type**

**Gene Symbol**

**Gene Name**

Targeted (Null/Knockout)

*Plk3*

polo like kinase 3

VIEW GENETICS

## RESEARCH APPLICATIONS

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

These mice carry a targeted mutation of the *Plk3*, polo-like kinase 3, gene. Homozygotes on the mixed B6;129S6 background are viable. The Donating Investigator has not tested the fertility of the homozygotes on the B6;129S6 background. The phenotype of homozygous mice on this background has not been assessed. In contrast, on the C57BL/6 background, homozygotes are not viable (no homozygotes observed). Heterozygotes do not display an obvious phenotype. This mutant strain has not been characterized.

### Development

### Control Suggestions

### Selected References

## Genetics

### *Plk3*<sup>tm1Elan</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Separated PCR:[Plk3alternate1](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

When maintaining a live colony, the Donating Investigator reports that these mice can be bred as heterozygotes on the mixed 129S6;B6 background. The fertility of homozygotes on the 129S6;B6 background has not been assessed. (Homozygotes on the C57BL/6 background are not viable).

#### [Additional Breeding and Husbandry Support](#)

#### Citation

When using the B6;129S1-*Plk3*<sup>tm1Elan</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018922 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 for <i>Plk3</i> <tm1Elan>	\$2,854.50

#### RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6;129S1- <i>Plk3</i> <tm1Elan>/J	\$2595.00
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## 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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#### TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

#### ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE requires an agreement prior to shipping.](#)

#### LICENSING INFORMATION

Phone: 207-288-6470

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

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By Gene

By Collection



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