

**B6;129-Mcl1<sup>tm3Sjk</sup>/J**  
Stock No: **006088** | Mcl-1<sup>fl</sup>

 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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conditional mutations in applications related to immune function and apoptosis of lymphocytes.

### Donating Investigator

Dr. Stanley J. Korsmeyer, Dana-Farber Cancer Institute

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## GENETIC OVERVIEW

Genetic Background

Generation

*Mcl1<sup>tm3Sjk</sup>*

**Alele Type**

Targeted (Conditional ready (e.g. floxed), No functional change)

**Gene Symbol**

*Mcl1*

**Gene Name**

myeloid cell leukemia sequence 1

VIEW GENETICS

## RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Research Tools

Apoptosis Research

Reproductive 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

Mice that are homozygous for the targeted mutation are viable, normal in size, and do not display any gross physical or behavioral abnormalities. The donating investigator indicates that homozygous males have severely reduced fertility for unknown reasons, while females have normal fertility. Endogenous protein expression is unaffected by the inserted *loxP* sequences. When bred to mice with a *cre* recombinase gene under the control of a promoter of interest, exon 1 of the targeted gene is deleted in the tissue of interest. These mutant mice may be useful in studying global, temporal, or tissue-specific deletion of the endogenous gene, particularly in studies of immune function, including apoptosis, B and T cell development, and bone marrow cell differentiation.

When bred to a strain with the targeted null allele (Stock No. [006072](#)) and a strain with a *Cd19* null allele and expressing Cre recombinase during the B lymphocyte development (Stock No. [004126](#)), this mutant mouse strain may be useful in studies of lymphocyte development.

When bred to a strain with the targeted null allele (Stock No. [006072](#)) and a strain expressing interferon inducible Cre recombinase in the lymphocytes (Stock No. [003556](#)), this mutant mouse strain may be useful in studies of lymphocyte development.

#### Development

### Genetics

#### *Mcl1*<sup>tm3Sjk</sup>

### Disease/Phenotype

#### Disease Terms

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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

Standard PCR:[Mcl1](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

When maintaining a live colony, these mice are bred as heterozygotes. Homozygous males have severely reduced fertility. As these mice are on a mixed B6;129X1 background, coat color variations may be observed in litters (including black, pink-eyed light chinchilla or albino).

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the Mcl-1<sup>f</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006088 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](#)*

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## [- 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

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## CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or Wildtype for Mcl1<tm3Sjk>	\$2,854.50

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6;129-Mcl1<tm3Sjk>/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.

## Terms Of Use

### 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 by companies or for-profit entities requires a license prior to shipping.](#)

### 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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