

129S1/SvlmJ-*Bcl2*<sup>tm1Mpin</sup>/J

Stock No: 003082 | bcl-2 -

 Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

suitable for use in applications related to the study of apoptosis.

### Donating Investigator

Michael Meyer, Ludwig-Maximilians-University Munich

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Bcl2*<sup>tm1Mpin</sup>

### Alele Type

Targeted (Reporter,  
Null/Knockout)

### Gene Symbol

*Bcl2*

### Gene Name

B cell leukemia/lymphoma 2

VIEW GENETICS

## RESEARCH APPLICATIONS

Hematological Research

Immunology, Inflammation and Autoimmunity Research

Internal/Organ Research

Research Tools

Neurobiology Research

Apoptosis Research

Cancer Research

Developmental Biology Research

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

### Details

#### Detailed Description

Heterozygous mice exhibit expression of beta-galactosidase in populations of large sensory neurons. Mice homozygous for the  $Bcl2^{tm1Mpin}$  targeted mutation do not produce either the a or b form of the  $Bcl2$  protein.  $Bcl2$  is a major regulator of programmed cell death, a critical process in shaping the developing nervous system. The absence of the  $Bcl2$  does not significantly influence the development of motor neurons before or during the main period of physiological cell death. Rather,  $Bcl2$  exerts its influence beyond this period, subsequent to the phase where the majority of neuronal loss normally takes place. Polycystic kidney disease is less severe in this strain compared to the  $Bcl2^{tm1Sjk}$  targeted mutation (Stock No. 002265).

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### $Bcl2^{tm1Mpin}$

### 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

Standard PCR:[Bcl2](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to 129S1/SvImJ inbred mice (Stock No. [002448](#)). Homozygous mice are lethal.

[Additional Breeding and Husbandry Support](#)

### Appearance

The expected coat color from breeding is White Bellied Agouti.

### Citation

When using the bcl-2 - mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003082 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.

## CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for Bcl2<tm1Mpin>	\$2,854.50

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	129S1/SvlmJ-Bcl2<tm1Mpin>/J Frozen Embryo	\$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.

## 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

## LICENSING INFORMATION

Phone: 207-288-6470

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

## Related Strains

All

By Allele

By Gene

By Collection



### DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E E E D B

Did you find what you were looking for?

Yes  No