

**FVB/N-Rr16** <sup>Tn(sb-Tyr)1HCeb</sup> /OveJ

Stock No: **017609**

 Coisogenic, Transposon Induced 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](#)

absence of both eyes (anophthalmia), lens induction, and the optic vesicle.

### Donating Investigator

Paul A Overbeek, Baylor College of Medicine

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Rr16*<sup>Tn(sb-Tyr)1HCeb</sup>

**Alele Type**

Transposon induced  
(Modified regulatory region)

**Gene Symbol**

*Rr16*

**Gene Name**

regulatory region 16

VIEW GENETICS

## RESEARCH APPLICATIONS

Sensorineural Research

Developmental 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 BART6-TP1H mice harbor a transposition-induced mutation near the bone morphogenetic protein 4 locus (*Bmp4*) on mouse chromosome 14.

The transposed integration site is reported to be at 46,829,514 [NCB137/mm9] on chromosome 14: this is ~150 kb away from *Bmp4*. The transposed integration site is tightly linked with the original integration site.

The donating investigator reports they have been unable to identify a transposon-induced deletion near *Bmp4* and the mutation is not found within the BMP4 coding sequences. The mutation results in altered BMP4 expression (presumably via a transposition-induced inversion that leads to loss-of-function of an enhancer that is required for expression of BMP4 in the optic vesicle).

Heterozygous and homozygous mice from this line exhibit light grey/medium grey coat color. All homozygous mice exhibit congenital absence of both eyes (anophthalmia) due to defects in lens induction. Homozygous mice are fertile, although ~20% of homozygous mice die at birth with cleft palate.

#### Development

#### Control Suggestions

### Genetics

#### *Rr16*<sup>Tn(sb-Tyr)1HCeb</sup>

### 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:[Rr16](#)

Separated MCA:[Rr16 MCA](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

Heterozygous and homozygous mice exhibit light grey/medium grey coat color. All homozygous mice exhibit congenital absence of both eyes (anophthalmia) due to defects in lens induction. Homozygous mice are fertile, although ~20% of homozygous mice die at birth with cleft palate.

When maintaining a live colony, heterozygous mice may be bred to wildtype siblings or to FVB/NJ inbred mice (Stock No. [001800](#)). Alternatively, homozygous mice may be bred together.

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

### Citation

When using the FVB/N-*Rr16*<sup>Tn(sb-Tyr)1HCeb</sup>/OveJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #017609 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>	Hemizygous or Non Carrier for Rr16<Tn(sb-Tyr)1HCeb>Ove	\$2,854.50

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	FVB/N-Rr16<Tn(sb-Tyr)1HCeb>/OveJ 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

### 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



### 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