



# C3HeB/F<sub>1</sub>J x ~~129/SvEv~~129/SvEv<sup>30</sup>/Gd<sup>1-3</sup>Z<sup>e</sup>b<sup>w</sup>/1J

Stock No: 001434

 Spontaneous Mutation



CRYORECOVERY

PLACE ORDER

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

## Overview

These mice carry three mutations,  $Mc1r^{E-so}$   $Gli3^{Xt-J}$   $Zeb1^{Tw}$ , affecting coat color, digit development, and mobility respectively.

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### GENETIC OVERVIEW

Genetic Background      Generation

#### $Mc1r^{E-so}$

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Mc1r</i>	melanocortin 1 receptor

#### $Gli3^{Xt-J}$

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Gli3</i>	GLI-Kruppel family member GLI3

#### $Zeb1^{Tw}$

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Zeb1</i>	zinc finger E-box binding homeobox 1

VIEW GENETICS

### RESEARCH APPLICATIONS

Developmental Biology Research  
Neurobiology Research  
Sensorineural Research  
Mouse/Human Gene Homologs  
Dermatology Research

VIEW ALL RESEARCH APPLICATIONS

### BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

## Details

### Detailed Description

Mice heterozygous for the twirler mutation ( $Zeb1^{Tw}$ ) display head-shaking and circling behavior but are not deaf. There are morphological abnormalities of the inner ear which consist of irregularities in the outline of the semicircular canals, sometimes amounting to branching, and reduction or absence of otoliths. Moderate astrocytosis in the vestibular nuclei and cerebellar white matter has been reported. Homozygotes have cleft lip and palate or cleft palate only. They die within 24 hours after birth. Viability and fertility are normal except that adults tend to become obese and may then become sterile. Penetrance is incomplete. This strain is also carrying the sombre ( $Mc1r^{E-so}$ ) and extra toes-Jackson ( $Gli3^{St-J}$ ) mutations. Extra toes-J heterozygotes have varying numbers of extra digits on preaxial side of feet. Homozygotes die *in utero* with multiple abnormalities. Excessively large pharyngeal arches and an open neural tube are evident at E9.

### Development

## Genetics

### $Mc1r^{E-so}$

### $Gli3^{Xt-J}$

### $Zeb1^{Tw}$

## Disease/Phenotype

### Disease Terms

### Research Areas By Genotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

## Genotyping Protocols

[Genotyping resources and troubleshooting](#)

## Citation

When using the G2HeB/FeJ x STX/Le-Mc1r<sup>E-so</sup> Gli3<sup>Xt-J</sup> Zeb1<sup>TW</sup>J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #001434 in your Materials and Methods section.

[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	GENOTYPE	PRICE
Cryo Recovery	Homozygous for E<so>, Heterozygous or Wild-type for Tw, Heterozygous or Wild-type for Gli3<Xt-J>	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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## ➔ Terms Of Use

### Terms of Use

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