

B6;129S-Twist1^{tm1Bhr} /J

Stock No: **002221** | twist-null

 Targeted Mutation

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

PLACE ORDER

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limb bud development.

Donating Investigator

Dr. Richard Behringer, Univ of Texas, MD Anderson Cancer Center

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GENETIC OVERVIEW

Genetic Background

Generation

Twist1^{tm1Bhr}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Twist1

twist basic helix-loop-helix transcription factor 1

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Neurobiology 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

Homozygotes die at embryonic day 11.5. The most prominent phenotype is a failure of cranial neural tube closure. At embryonic day 8.5 the cranial neural folds are elevated but not fused. At embryonic day 9.5 exencephaly is evident (the cranial neuroepithelium is everted and exposed). There is also abnormal somite morphology and abnormal limb bud development.

Development

Control Suggestions

Selected References

Genetics

Twist1^{tm1Bhr}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated PCR: [Twist1-Alternate 2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain is maintained by heterozygous matings as the homozygotes die *in utero*.

[Additional Breeding and Husbandry Support](#)

Citation

When using the twist-null mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002221 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
Cryo Recovery	Heterozygous or Wild-type for Twist1<tm1Bhr>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129S-Twist1<tm1Bhr>/J	\$2595.00
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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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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

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All

By Allele

By Gene

By Collection



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