

B6C3Fe *ala-Eif3c*^{Xs-J} /J

Stock No: **001750** | extra toes spotting Jackson

 Spontaneous Mutation

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

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forelimbs, with ventral hypopigmentation.

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GENETIC OVERVIEW

Genetic Background

Generation

a

Alele Type

Spontaneous

Gene Symbol

a

Gene Name

nonagouti

Eif3c^{Xs-J}

Alele Type

Spontaneous

Gene Symbol

Eif3c

Gene Name

eukaryotic translation initiation factor 3, subunit C

VIEW GENETICS

RESEARCH APPLICATIONS

Dermatology 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

The extra-toes spotting mouse phenotype manifests anterior polydactyly, predominantly in the forelimbs, with ventral hypopigmentation. A C-to-T point mutation in exon 9 results in a premature stop codon in a nonterminal exon in the encoded protein. A 50% reduction in total *Eif3c* mRNA levels is seen in homozygous animals. *Eif3c*^{Xs-J} mouse embryos have ectopic *Shh* and *Ptch1* expression in the anterior limb. In addition, anterior limb buds show aberrant *Gli3* processing, consistent with perturbed SHH/GLI3 signaling.

Development

Genetics

a

Eif3c^{Xs-J}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

- 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
Genotyping resources and troubleshooting

Citation

When using the extra toes spotting Jackson mouse strain in a publication, please cite the originating article(s) and include JAX stock #001750 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 Xs<J>, Homozygous for a	\$2,854.50

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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.

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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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TOMORROW'S CURES



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