



1 2 9 P 4 .*Axgi-^{fu}/1J*

Stock No: 000212

Congenic, Spontaneous Mutation



CRYO RECOVERY

P L A C E O R D E R

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

Overview

The fused mutation is dominant and generally more severe in homozygotes, but has highly varying penetrance in both the heterozygote and homozygote, to the extent that some homozygotes do not have an abnormal phenotype. Phenotypic traits of mice carrying the *Axin1^{Fu}* allele include shortened, bifurcated, or absent tails, kinked tails with fused vertebrae, other asymmetrical fusions of vertebrae, axial duplications, and ribs fused at the proximal ends. Imperforate anus, anemia at birth, waltzing movement, deafness, and missing or abnormal kidneys have also been reported. Both heterozygotes and homozygotes are generally fertile although female carriers transmit with a lower penetrance than males do. (Reed, 1936; Dunn and Gluecksohn-Waelsch, 1954; Theiler and Gluecksohn-Waelsch, 1956.)

GENETIC OVERVIEW

Genetic Background Generation

001198 129P4/RrRkJ

Axin1^{Fu}

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Axin1</i>	axin 1

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Developmental Biology Research

Neurobiology Research

Sensorineural Research

Research Tools

Virology Research

Cell Biology Research

V I E W A L L R E S E A R C H A P P L I C A T I O N S

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 fused mutation is dominant and generally more severe in homozygotes, but has highly varying penetrance in both the heterozygote and homozygote, to the extent that some homozygotes do not have an abnormal phenotype. Phenotypic traits of mice carrying the *Axin1^{Fu}* allele include shortened, bifurcated, or absent tails, kinked tails with fused vertebrae, other asymmetrical fusions of vertebrae, axial duplications, and ribs fused at the proximal ends. Imperforate anus, anemia at birth, waltzing movement, deafness, and missing or abnormal kidneys have also been reported. Both heterozygotes and homozygotes are generally fertile although female carriers transmit with a lower penetrance than males do. (Reed, 1936; Dunn and Gluecksohn-Waelsch, 1954; Theiler and Gluecksohn-Waelsch, 1956.)

⊕ Development

⊕ Control Suggestions

⊖ Genetics

+ *Axin1^{Fu}*

- Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

C H A T O  F L I N E

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 129P4 Cg-*Axin1^{Fu}*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000212 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	GENOTYPE	PRICE
Cryo Recovery	Heterozygous and Wild-type for <i>Axin1</i> <Fu> 1 pair minimum	\$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.

Related Products and Services

Frozen Mouse Embryo

129P4.Cg-Axin1<Fu>/J Frozen Embryos

\$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.

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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.

Terms Of Use

Terms of Use

[General Terms and Conditions](#)

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Licensing Information

Phone: 207-288-6470

Email: TechTran@jax.org

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