

C3HeB/FeJ-*Pou3f4*^{del-J}/J

Stock No: 004406 | *Pou3f4*^{del-J}

 Deletion, 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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GENETIC OVERVIEW

Genetic Background

Generation

Pou3f4^{del-J}

Allele Type

Spontaneous

Gene Symbol

Pou3f4

Gene Name

POU domain, class 3, transcription factor 4

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Sensorineural Research

Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for the *Pou3f4*^{del-J} display head shaking and circling behavior by three weeks of age. Homozygous females and males hemizygous for this X-linked mutation have profound deafness, although heterozygous females do not. They have cochlear hypoplasia, a reduced number of cochlear turns, failure to fully form the bony structure of the modiolus, and detachment of the stria vascularis.

Development

Control Suggestions

Genetics

Pou3f4^{del-J}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Appearance

agouti, circling male

Related Genotype: $A/A Pou3f4^{del-J}/Y$

agouti, unaffected male

Related Genotype: $A/A +/Y$

agouti, unaffected female

Related Genotype: $A/A Pou3f4^{del-J}/Pou3f4^{del-J}$ or $Pou3f4^{del-J}/+$

Citation

When using the $Pou3f4^{del-J}$ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004406 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	X linked females Homozygous or Heterozygous for $Pou3f4^{del-J}$ and Males Hemizygous or wildtype for $Pou3f4^{del-J}$, 1 pair minimum	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C3HeB/FeJ- $Pou3f4^{del-J}/J$ Frozen Embryos	\$2595.00
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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.

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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

Related Strains

All

By Allele

By Gene

By Collection





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TOMORROW'S CURES



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