

B6;129S4-Kdm6a^{tm1c(EUCOMM)Jae} /J

Stock No: **021926** | Utx^{flx}

 Targeted Mutation

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

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applications in studies related to histone methylation and transcriptional regulation during development.

Donating Investigator

Rudolf Jaenisch, Whitehead Institute, Massachusetts Institute of Technology

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GENETIC OVERVIEW

Genetic Background

Generation

Kdm6a^{tm1c(EUCOMM)Jae}

Alele Type

Targeted (Conditional ready
(e.g. floxed))

Gene Symbol

Kdm6a

Gene Name

lysine (K)-specific demethylase 6A

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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 *Kdm6a* (lysine (K)-specific demethylase 6A) gene encodes a histone demethylase that acts on lysine 27 of histone H3, and is involved in regulation of embryogenesis via the WNT signaling pathway. These mice possess *loxP* sites on either side of exon 3 of the targeted gene. Homozygous females and hemizygous males are viable and fertile (the gene is X linked). When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exon 3 deleted in the *cre*-expressing tissues.

Development

Control Suggestions

Selected References

Genetics

Kdm6a^{tm1c(EUCOMM)Jae}

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

Standard PCR:[Kdm6aalternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygous females and hemizygous males (the gene is X linked).

[Additional Breeding and Husbandry Support](#)

Citation

When using the Utx^{flx} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #021926 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 NOT-FOR-PROFIT & ACADEMIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	X linked -Heterozygous females and Wild-type males for Kdm6a<tm1c(EUCOMM)Jae>	\$2,854.50

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. 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

ADDITIONAL USE RESTRICTIONS APPLY

N O T A V A I L A B L E T O C O M P A N I E S O R F O R C O M M E R C I A L

Use of MICE by companies or for-profit entities requires a license prior to shipping.

Use of MICE only available to non-profit entities.

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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