

B6.129P2-Uts2^{tm1Ags} Apoe^{tm1Unc} /J

Stock No: **026016**

 Congenic, 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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potential treatments for atherosclerosis.

Donating Investigator

Adel Giaid Schwertani, Montreal General Hospital, RI-MUHC

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GENETIC OVERVIEW

Genetic Background

Generation

Apoe^{tm1Unc}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Apoe

Gene Name

apolipoprotein E

Uts2^{tm1Ags}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Uts2

Gene Name

urotensin 2

VIEW GENETICS

RESEARCH APPLICATIONS

Metabolism Research

Research Tools

Cardiovascular Research

Mouse/Human Gene Homologs

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

The *Uts2* gene encodes for a highly conserved vasoconstrictor (vasoactive) peptide. These mice carry a knock out mutation of the *Uts2* gene in which half of exon 4 and all of exons 5 and 6 are replaced by *lacZ* and a Pkg-NEO cassette, as well as a knock out mutation for the *ApoE* gene. Mice that are homozygous for both targeted mutations are viable and fertile. Double knockout mice exhibit reduced serum cytokine and adipokine levels, less severe aortic atherosclerosis, reduced mean arterial blood pressure, and lower serum very-low-density lipoprotein-cholesterol when compared to the *ApoE* knock out mice.

Development

Control Suggestions

Selected References

Genetics

ApoE^{tm1Unc}

Uts2^{tm1Ags}

⊖ Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

⊖ 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:[Uts2-Alternate 3](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, mice homozygous for both targeted mutations can be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129P2-*Uts2*^{tm1Ags} *ApoE*^{tm1Unc} /J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #026016 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



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Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Uts2<tm1Ags> , Heterozygous for Apoe<tm1Unc>	\$2,854.50

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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

Related Strains

All

By Allele

By Gene

By Collection



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TOMORROW'S CURES



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