

D2.Cg-Apoe^{tm1Unc} Ins2^{Akita} /J

Stock No: **013719** | D2-Apoe, Akita

 Congenic, Spontaneous Mutation, Targeted Mutation

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

PLACE ORDER

Email Download PDF Help

atherosclerosis, hypercholesterolemia, and diabetes-related macrovascular complications.

Donating Investigator

T1DR Colony, The Jackson Laboratory

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

007067

D2.129P2(B6)-Apoe^{tm1Unc} /J

Apoe^{tm1Unc}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Apoe

Gene Name

apolipoprotein E

Ins2^{Akita}

Alele Type

Spontaneous

Gene Symbol

Ins2

Gene Name

insulin II

VIEW GENETICS

RESEARCH APPLICATIONS

Diabetes and Obesity Research

Cell Biology Research

Endocrine Deficiency Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice homozygous for the *Akita* spontaneous mutation typically die postnatally by 12 weeks of age. Independently, heterozygous *Akita* mutant mice are a model of insulin dependent diabetes mellitus (IDDM) with severe hyperglycemia (see the datasheet for Stock No. [007562](#) for additional information). *Apoe*-null homozygotes have marked increase in total plasma cholesterol levels that are unaffected by age or sex (see the datasheet for Stock No. [007067](#) for additional information).

These double mutant mice (*Apoe*-null, *Akita* heterozygous) may be useful in studies of diabetes, metabolism, hyperglycemia, atherosclerosis, hypercholesterolemia, and diabetes-related macrovascular complications.

Development

Genetics

+ *Apoe*^{tm1Unc}

+ *Ins2*^{Akita}

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

[Genotyping resources and troubleshooting](#)

Citation

When using the D2-Apoe, Akita mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #013719 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 for Apoe<tm1Unc>, heterozygous or wildtype for	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

D2.Cg-Apoe<tm1Unc> Ins2<Akita>/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.

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.

[Terms Of Use](#)

TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org[Related Strains](#)

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



CONTACT



DONATE



SUBSCRIBE

[JAX HOME](#) [CAREERS](#) [LEGAL INFORMATION](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)


[MOUSE PHENOME DATABASE](#)

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes No