

B6.129P2-Apoa1^{tm1Unc}/J

Stock No: 002055 | Apo A1

 Congenic, Targeted Mutation

Live mice available in varying quantities. Ask Customer Service for details.

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atherosclerosis.

Donating Investigator

Dr. Nobuyo Maeda, University of North Carolina at Chapel Hill

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GENETIC OVERVIEW

Genetic Background

Generation

N10N2F11
(2021-03-31 00:00:00)

Apoa1^{tm1Unc}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Apoa1

Gene Name

apolipoprotein A-I

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular Research

Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$236.78 Domestic price for female 4-week

V I E W P R I C E L I S T

Details

Detailed Description

Mice homozygous for the *Apoa1*^{tm1Unc} targeted mutation have no APOA1 protein in their plasma. They have severely reduced levels of plasma cholesterol and HDL-cholesterol after overnight fasting. They also show a deficiency in alpha-migrating HDL particles. The *Apoa1*^{tm1Unc} mutant mice appear to develop normally.

Development

Control Suggestions

Selected References

Genetics

Apoa1^{tm1Unc}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Apoa1](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

This *Apoa1^{tm1Unc}* strain is maintained by homozygous sibling matings. Homozygous mice may be ordered. Expected coat color from breeding:Black

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the Apo A1⁻ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002055 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX11 \(Maximum\)](#)

Pricing & Availability



Live mice available in varying quantities. Ask Customer Service for details.

Available

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for <i>Apoa1^{tm1Unc}</i>	\$236.78
	Male	Homozygous for <i>Apoa1^{tm1Unc}</i>	\$236.78

5 weeks	SEX	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
6 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
7 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
8 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
9 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
10 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
11 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
12 weeks	Female	Homozygous for ApoA1 ^{tm1Unc}	\$236.78
	Male	Homozygous for ApoA1 ^{tm1Unc}	\$236.78

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

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

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