

## C57BL/6-Tg(APOA1)1Rub/J

Stock No: 001927 | Tg Hu ApoA1

 Transgenic

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

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### Also Known As: Tg Hu ApoA1

Mice carrying the human apolipoprotein A-I transgene show a two fold increase in total plasma cholesterol levels and greater than a four fold decrease in the levels of mouse apoA-I. Homozygous transgenic mice exhibit reduced susceptibility to diet induced fatty streak lesions.

### Donating Investigator

Dr. Edward M. Rubin, Lawrence Berkeley National Lab

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(APOA1)1Rub

#### Allele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

## 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

Mice carrying the human apolipoprotein A-I transgene show a two fold increase in total plasma cholesterol levels and greater than a four fold decrease in the levels of mouse apoA1. Homozygous transgenic mice exhibit reduced susceptibility to diet induced fatty streak lesions. Mice homozygous for the transgenic insert are viable, fertile and normal in size. This human apolipoprotein A1 transgene is under the control of its natural promoter. The Jackson Laboratory imported mice derived from the founder line A2 as described in Rubin EM, et al., 1991.

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

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[+ Tg\(APOA1\)1Rub](#)

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## [- Disease/Phenotype](#)

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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

QPCR:[Tg\(APOA1\)1Rub](#)

QPCR:[Tg\(APOA1\)1Rub](#)

Separated PCR:[Tg\(APOA1\)1Rub](#)

Standard PCR:[Tg\(APOA1\)1Rub](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

[This strain is a good breeder.](#)

This strain is maintained by homozygous sibling matings.

### [Additional Breeding and Husbandry Support](#)

#### Mating System

Homozygote x Homozygote

#### Appearance

black

Related Genotype: *a/a*

#### Citation

When using the Tg Hu ApoA1 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #001927 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



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
<a href="#">Cryo Recovery</a>	Homozygous for Tg, 1 pair minimum	\$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.

## ➔ Terms Of Use

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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

## ☰ Related Strains

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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