

**B6;129S-Apoc3<sup>tm1Unc</sup>/J**

Stock No: **002227** | apoc3-

 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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### Donating Investigator

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

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## GENETIC OVERVIEW

Genetic Background      Generation

*Apoc3<sup>tm1Unc</sup>*

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Apoc3</i>	apolipoprotein C-III

VIEW GENETICS

## RESEARCH APPLICATIONS

Cardiovascular Research

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

Mice homozygous for the *Apoc3*<sup>tm1Unc</sup> show fasted plasma triglyceride levels that are 70% that present in normal wildtype siblings. Levels of total plasma cholesterol and HDL in homozygous mice are slightly reduced compared to normal wildtype siblings. Homozygotes also show hypotriglyceridemia when given the "fat meal test", and are able to clear chylomicrons faster than normal wildtype siblings. Heterozygous mice show fasted plasma triglyceride levels that are reduced compared to normal wildtype mice, though not as severely as in homozygous mice.

### Control Suggestions

### Selected References

## Genetics

### *Apoc3*<sup>tm1Unc</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the apoc3- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002227 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
<a href="#">Cryo Recovery</a>	Homozygous for Apoc3<tm1Unc>, 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.

## 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.

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### LICENSING INFORMATION

Phone: 207-288-6470

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All

By Allele

By Gene

By Collection





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# TOMORROW'S CURES



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