

**B6;SJL-Apoe<sup>tm1.1(APOE\*4)Adiuj</sup> Erc2<sup>em1Adiuj</sup> Trem2<sup>em1Adiuj</sup>/J**

Stock No: **031946** | Erc2\*N542S/APOE4/Trem2\*R47H

Targeted Mutation, Endonuclease-Mediated Mutation

Estimated to begin distribution on Dec 21, 2020

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expressing a humanized ApoE knock-in mutation (sequence coding for isoform E4) and a CRISPR/Cas9-generated R47H point mutation of the *Trem2* gene.

### Donating Investigator

Mike Sasner, The Jackson Laboratory

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## GENETIC OVERVIEW

### Genetic Background

### Generation

?+pN1  
(2020-05-29 00:00:00)

### *Trem2<sup>em1Adiuj</sup>*

#### Alele Type

Endonuclease-mediated  
(Humanized sequence)

#### Gene Symbol

*Trem2*

#### Gene Name

triggering receptor expressed on myeloid cells 2

### *Erc2<sup>em1Adiuj</sup>*

#### Alele Type

Endonuclease-mediated  
(Humanized sequence)

#### Gene Symbol

*Erc2*

#### Gene Name

ELKS/RAB6-interacting/CAST family member 2

### *Apoe<sup>tm1.1(APOE\*4)Adiuj</sup>*

#### Alele Type

Targeted (Inserted  
expressed sequence,  
Humanized sequence)

#### Gene Symbol

*Apoe*

#### Gene Name

apolipoprotein E

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Research Tools  
Cardiovascular Research  
Metabolism Research  
Neurobiology Research

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## BASE PRICE

Starting at:

\_\_\_\_\_  
\$255.00 Domestic price for female

\_\_\_\_\_  
510.00 Domestic price for breeder pair

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