



B 6 . F V B - T g (E I I a - c r e) C 5 3 7 9 L m g d / J

Stock No: 003724 | E2a-Cre

 Congenic, Transgenic



AVAILABLE

P L A C E O R D E R

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

 Overview



Also Known As: E2a-Cre

Ella-cre mice carry a cre transgene under the control of the adenovirus Ella promoter that targets expression of Cre recombinase to the early mouse embryo, and are useful for germ line deletion of *loxP*-flanked genes.

Donating Investigator

Dr. Heiner Westphal, National Institutes of Health

[READ MORE +](#)

GENETIC OVERVIEW

Genetic Background

Generation

[N10+N3F10](#)

(2019-06-17 00:00:00)

[Tg\(Ella-cre\)C5379Lmgd](#)

Allele Type

Transgenic (Recombinase-expressing)

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

Research Tools

[VIEW ALL RESEARCH APPLICATIONS](#)

BASE PRICE

Starting at:

\$270.00 Domestic price for female 4-week

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

– Details

– Detailed Description

This line carries a *cre* transgene under the control of the adenovirus E1a promoter that targets expression of Cre recombinase to the early mouse embryo. *Cre* expression is thought to occur prior to implantation in the uterine wall. A mosaic pattern of expression is commonly observed. Cre-mediated recombination occurs in a wide range of tissues, including the germ cells that transmit the genetic alteration to progeny. These mice may be useful for breeding to other mice carrying *loxP*-flanked DNA sequences of interest. This would readily generate progeny in which Cre-mediated excision of the targeted sequences has occurred.

[View](#) cre expression characterization on the FVB background.

+ Development

+ Expression Data

+ Control Suggestions

+ Selected References

– Genetics

+ Tg(E1a-cre)C5379Lmgd

– Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

– Technical Support

C H A T O  F L I N E

Genotyping Protocols

QPCR: [Generic Cre](#)

Standard PCR: [Generic Cre](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, these mice are bred as homozygotes. Homozygotes may have slightly smaller litter sizes compared to hemizygous matings.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the F2a-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003724 in your

[Materials and Methods section](#).

[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 Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 5 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 6 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 7 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 8 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 9 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |

| | | | |
|----------|--------|--------------------------------------|----------|
| 10 weeks | SEX | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 11 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| 12 weeks | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |

Related Products and Services

| | | |
|---------------------|---|-----------|
| Frozen Mouse Embryo | B6.FVB-Tg(Ella-cre)C5379Lmgd/J Frozen Embryos | \$2595.00 |
|---------------------|---|-----------|

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