

B6.FVB-Tg(Ella-cre)C5379Lmgd/J

Stock No: **003724** | E2a-Cre

 Congenic, Transgenic

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

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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+N3F13
(2021-03-31 00:00:00)

Tg(Ella-cre)C5379Lmgd

Alele Type

Transgenic (Recombinase-expressing)

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Research Tools

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:

\$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\(Ella-cre\)C5379Lmgd](#)

[- Disease/Phenotype](#)

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- 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

Probe:[Generic Cre Probe](#)

QPCR:[Generic Cre Quantitative PCR](#)

QPCR:[Generic Cre Quantitative PCR](#)

Standard PCR:[Generic Cre](#)

Standard PCR:[Generic Cre Melt Curve Analysis](#)

[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 E2a-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003724 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 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 | Female | Homozygous for Tg(Ella-cre)C5379Lmgd | \$270.00 |
| | Male | 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(EIIa-cre)C5379Lmgd/J Frozen Embryos

\$2595.00

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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ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

🔵 Related Strains

All

By Allele

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By Collection



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TOMORROW'S CURES



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