

## B6.FVB-Tg(CMA1-cre)6Thhe/J

Stock No: 014643

 Congenic, Transgenic

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

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lineages of the colon and lung.

### Donating Investigator

Thomas Hehlgans, Institute of Immunology

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(CMA1-cre)6Thhe

#### Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

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

These transgenic mice express Cre recombinase under the direction of the baboon *CMA1*, chymase 1, mast cell, promoter. Cre recombinase transcript (mRNA) is detected in lung and colon analyzed by RT-PCR. Transgene expression (mRNA by RT-PCR) and Cre recombinase activity is not detected in skin or heart tissues. Recombinase activity is detected in lung and colon tissue, specifically in resident mast cells. Transgene expression and Cre recombinase activity is not detected in cultured bone marrow derived mast cells by RT-PCR analysis or FACS analysis. When crossed with a strain containing *loxP* site flanked sequence of interest, Cre-mediated recombination results in tissue-specific deletion of the target. Mice hemizygous for the transgenic insert are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator reports that homozygotes are not viable.

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### Tg(CMA1-cre)6Thhe

## 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

Standard PCR: [Tg\(Cma1-cre\)6Thhe Alternate1](#)  
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as hemizygotes. The Donating Investigator reports that homozygotes are not viable.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.FVB-Tg(CMA1-cre)6Thhe/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #014643 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>	Hemizygous or Non carrier for Tg(CMA1-cre)2038Thhe	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.FVB-Tg(CMA1-cre)6Thhe/J Frozen Embryo

\$2595.00

## PAYMENT TERMS AND CONDITIONS

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## 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.

### 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

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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