

**B6.129S4-Ccl7<sup>tm1fc</sup>/J**

Stock No: **017638** | Mcp-3-

 Congenic, 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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3 during monocyte recruitment and homeostasis.

### Donating Investigator

Israel F. Charo, Gladstone Inst of Cardiovascular Disease, UCSF

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## GENETIC OVERVIEW

Genetic Background

Generation

*Ccl7<sup>tm1fc</sup>*

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

*Ccl7*

chemokine (C-C motif) ligand 7

VIEW GENETICS

## RESEARCH APPLICATIONS

Cell Biology Research

Hematological Research

Immunology, Inflammation and Autoimmunity Research

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

In this strain a neo cassette replaces the entire coding region of the chemokine (C-C motif) ligand 7 (*Ccl7*) gene, abolishing gene function. CCL7, also known as MCP-3 (monocyte chemoattractant protein 3), directs the migration of monocytes to sites of inflammation through activation of the monocyte surface receptor CCR2 (chemokine (C-C motif) receptor 2). Homozygous CCL7 deficient mice are viable, fertile, and normal in size. These mice exhibit a 65% reduction of the 7/4 bri Ly-6G monocytes. These mice may be useful for studying the role of MCP-3 in monocyte recruitment and homeostasis.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Ccl7*<sup>tm1lfc</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

- 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

Separated PCR:[Ccl7](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Mcp-3- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #017638 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

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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for <a href="#">Ccl7&lt;tm1lfc&gt;</a>	\$2,854.50

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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

### 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](mailto:TechTran@jax.org)

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