

## B6.Cg-Tg(Cx3cl1/mCherry)1Jung/J

Stock No: **025525** | CX3CL1<sup>mCherry</sup>

◆ 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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studying leukocyte migration and trafficking, as well as integrin-independent adhesion and chemoattractive activity of monocytes.

### Donating Investigator

Steffen Jung, Weizmann Institute of Science

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(Cx3cl1/mCherry)1Jung

#### Alele Type

Transgenic (Reporter)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

Cancer 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

Mice hemizygous for the BAC *CX3CL1<sup>cherry</sup>* transgene are viable and fertile. The BAC has been modified to replace exon 1 of *Cx3cl1* (chemokine (C-X3-C motif) ligand 1) with an *mCherry* fluorescent protein. CX3CL1 is the ligand for the chemokine receptor, CX3CR1. *mCherry* fluorescence is observed in mature neurons in the hippocampus, striatum, and cortical layer II and in epithelial cell layers. Specifically, expression is seen in the lung in alveolar and bronchial epithelial cells, including Clara cells. In the kidney, *mCherry* is also seen in tubular epithelial cells and glomeruli in the kidney, and in goblet cells and cells along the proximal and distal gastrointestinal tract.

When *CX3CL1<sup>cherry</sup>* mice are bred to B6.129P-Cx3cr1<sup>tm1Litt</sup>/J mice (Stock No. [005582](#)), which express GFP in monocytes, dendritic cells, NK cells, and brain microglia, double mutant mice are useful when studying the interface of CX3CL1 and CX3CR1 in tissues and live animals.

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### Tg(Cx3cl1/mCherry)1Jung

### Disease/Phenotype

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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:[Generic mCherry](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

When maintaining a live colony hemizygous mice may be bred to wildtype (noncarrier) mice from the colony or to C57BL/6J (Stock No. [000664](#)). The donating investigator has not attempted to make this strain homozygous.

[Additional Breeding and Husbandry Support](#)

### Citation

When using the CX3CL1<sup>cherry</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #025525 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(Cx3cl1/mCherry)1Jung	\$2,854.50

## 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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## Terms Of Use

### TERMS OF USE

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QUESTIONS ABOUT TERMS OF USE

### 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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All

By Allele

By Gene

By Collection



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