

C57BL/6J-Tg(Dcx-mRFP)15Qlu/J

Stock No: 024905

Coisogenic, Transgenic

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

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and FACS isolation of neuronal progenitors.

Donating Investigator

Qiang Lu, Beckman Research Institute, City of Hope

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GENETIC OVERVIEW

Genetic Background

Generation

Red Fluorescent Protein, mRFP is expressed in the developing cerebral cortex, neural progenitor cells and young neurons. Tg(Dcx-mRFP)15Qlu

Allele Type

Transgenic (Reporter)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
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

The microtubule associated doublecortin protein is important in neuronal migration, and is expressed in the developing cerebral cortex, neural progenitor cells and young neurons. These transgenic mice express the monomeric Red Fluorescent Protein, mRFP, under the direction of the mouse *Dcx*, doublecortin, promoter. The red fluorescence pattern is similar to the endogenous doublecortin expression pattern. Mice that are homozygous for the transgene are viable and fertile. The Donating Investigator reports that there is no difference between the phenotype exhibited by homozygotes compared to hemizygotes.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Red Fluorescent Protein, mRFP is expressed in the developing cerebral cortex, neural progenitor cells and young neurons. Tg(Dcx-mRFP)15Qlu

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\(Dcx-mRFP\)15Qlu-Alternate 1](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6J-Tg(Dcx-mRFP)15Qlu/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024905 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
Cryo Recovery	Hemizygous or non carrier for Tg(Dcx-mRFP)15Qlu	\$2,854.50

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LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

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TOMORROW'S CURES



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