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Stock No: 030251 | Cmtm5-EGFP/Rpl10a

 Transgenic



CRYO RECOVERY

P L A C E O R D E R

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

[Overview](#)

Also Known As: Cmtm5-EGFP/Rpl10a

This bacTRAP transgenic strain, incorporating an EGFP-L10a ribosomal fusion protein targeted to the *Cmtm5* gene, enables cell labeling, sorting, and affinity purification of cell-specific polysomal RNAs.

Donating Investigator

Nathaniel Heintz, The Rockefeller University

[READ MORE +](#)

GENETIC OVERVIEW

Genetic Background

Generation

Tg(Cmtm5-EGFP/Rpl10a)JD307Htz

Allele Type

Transgenic (Reporter)

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

[VIEW ALL RESEARCH APPLICATIONS](#)

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

[VIEW PRICE LIST](#)

[Details](#)

[Detailed Description](#)

This bacTRAP line incorporates an EGFP-L10a ribosomal fusion protein targeted to the translational start site of the *Cmtm5* (CKLF-like MARVEL transmembrane domain containing 5) gene. The fusion protein enables affinity purification of CNS cell-specific

polysomal RNAs which can be used for gene expression profiling.

Expression was carefully assayed by immunohistochemistry (IHC) with an antibody against enhanced green fluorescent protein (EGFP). The cerebellum, spinal cord, basal forebrain and corpus striatum, brainstem, and cerebral cortex were surveyed. Primary labeling was found to occur in mature oligodendrocytes of the cortex. Fluorescence can also be visualized directly.

Images of transgene expression in brain may be found on the [Gensat gene expression](#) page.

+ Development

+ Expression Data

+ Control Suggestions

+ Selected References

- Genetics

+ Tg(Cmtm5-EGFP/Rpl10a)JD307Htz

- Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

C H A T O  F L I N E

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\(Cmtm5-EGFP/Rpl10a\)JD307Htz](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Hemizygotes are viable and fertile. Homozygous viability/fertility is unknown.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Cmtm5-EGFP/Rpl10a mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #030251 in your Materials and Methods section.

[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	GENOTYPE	PRICE
Cryo Recovery	Hemizygous or non-carrier for Tg(Cmtm5-EGFP/Rpl10a)JD307Hz	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

Frozen Mouse Embryo	B6;FVB-Tg(Cmtm5-EGFP/Rpl10a)JD307Hz/J Frozen Embryo	\$2595.00
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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

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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

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Licensing Information

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Email: TechTran@jax.org

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