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Stock No: 030257 | Glt25d2-EGFP/L10a

 Congenic, 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: Glt25d2-EGFP/L10a

This bacTRAP transgenic strain, incorporating an EGFP-L10a ribosomal fusion protein targeted to the *Colgalt2* 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(Colgalt2-EGFP/Rpl10a)DU9Htz

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 *Colgalt2* (collagen beta(1-O)galactosyltransferase 2; also called Glt25d2) 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 layer 5b corticospinal, corticopontine pyramidal neurons, and small pyramidal cells. Fluorescence can also be visualized directly.

Images showing transgene expression in brain may be found on the [Gensat gene expression](#) and [Gensat TRAP cell Showcase](#) pages.

## + Development

## + Expression Data

## + Control Suggestions

## + Selected References

## ⊖ Genetics

## + Tg(Colgalt2-EGFP/Rpl10a)DU9Htz

## ⊖ Disease/Phenotype

## + Disease Terms

## + Research Areas By Genotype

## + Mammalian Phenotype Terms by Genotype

## + References

## ⊖ Technical Support

T E C H N I C A L   S P O K E S   C H A T

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

Probe: [Generic GFP](#)

Standard PCR: [Tg\(Colgalt2-EGFP/Rpl10a\)DU9Htz](#)

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

Hemizygotes are viable and fertile. Homozygotes are not viable/fertile.

[Additional Breeding and Husbandry Support](#)

## Citation

When using the Colgalt2-EGFP/L10a mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #030257 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(Colgalt2-EGFP/Rpl10a)DU9Hz | \$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 | <a href="#">B6.FVB(Cg)-Tg(Colgalt2-EGFP/Rpl10a)DU9Hz/J</a> | \$2595.00 |
|---------------------|--|-----------|

## 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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[General Terms and Conditions](#)

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Phone: 207-288-6470

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

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All

By Allele

By Gene

By Collection

All Related Strains



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