Overview

Also Known As: Flk1-GFP

Flk1-GFP is a knock-in/knock-out allele with an EGFP cassette replacing Kdr exon 1. These mice exhibit a fluorescence pattern that mimics that of the endogenous gene.

Donating Investigator

Dr. Janet Rossant, The Hospital for Sick Children
## GENETIC OVERVIEW

### Genetic Background

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
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<tbody>
<tr>
<td>Targeted (Reporter, Null/Knockout)</td>
<td>Kdr</td>
<td>kinase insert domain protein receptor</td>
</tr>
</tbody>
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**Kdr<sup>tm2.1Jrt</sup>**

### VIEWS

- [VIEW GENETICS](#)

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## RESEARCH APPLICATIONS

### Developmental Biology Research

### Research Tools

### BASE PRICE

**Starting at:**

$2,854.50 Domestic price Cryo Recovery

### VIEWS

- [VIEW ALL RESEARCH APPLICATIONS](#)
- [VIEW PRICE LIST](#)

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### Details

#### Detailed Description

Mice that are heterozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. Homozygotes have an embryonic lethal phenotype, failing to develop past approximately 9.5dpc due to the lack of hematopoietic and endothelial cells.

Fluorescence in heterozygous embryos is detected as early as the primitive streak stage and mimics the endogenous gene expression pattern.

#### Development

- [Expression Data](#)
- [Control Suggestions](#)
- [Selected References](#)
- [Genetics](#)
**Related Products and Services**

- Frozen Mouse Embryo
  - STOCK Kdr<tm2.1Jrt>/J
  - Price: $2595.00

**Technical Support**

**Genotyping Protocols**
Separated PCR: Kdr
Genotyping resources and troubleshooting

**Breeding Considerations**
When maintaining a live colony, these mice can be bred as heterozygotes. Homozygotes have an embryonic lethal phenotype.

**Additional Breeding and Husbandry Support**

**Citation**
When using the Flk1-GFP mouse strain in a publication, please cite the originating article(s) and include JAX stock #017006 in your Materials and Methods sections.

**Animal Health Reports**
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

**Pricing & Availability**

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

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<td>$2,854.50</td>
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**Domestic**

Pricing effective for USA, Canada and Mexico shipping destinations

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**International**

Pricing for international destinations

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Terms Of Use

Terms Of Use

Licensing Information

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

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