Overview

Also Known As: DsRed.T3

These Actb-DsRed.T3 transgenic mice express the red fluorescent protein variant DsRed.MST under the control of the chicken beta actin promoter coupled with the cytomegalovirus (CMV) immediate early enhancer and may be useful for widespread fluorescent protein expression.

Donating Investigator

Andras Nagy, Lumenfeld-Tanenbaum Research Institute (LTRI), Mount Sinai Hospital
**GENETIC OVERVIEW**

**Tg(CAG-DsRed*MST)1Nagy**

**Allele Type**
Transgenic (Reporter)

**BASE PRICE**
Starting at:

$255.00 Domestic price for female

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**Details**

**Detailed Description**

Mice homozygous for this Actb-DsRed.T3 transgene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These transgenic mice express the red fluorescent protein variant DsRed.MST under the control of the chicken beta actin promoter coupled with the cytomegalovirus (CMV) immediate early enhancer. All tissues of homozygotes fluoresce red. Mice hemizygous for the transgene express red fluorescent protein less intensely than homozygotes. Expression is observed throughout all embryonic and adult stages and very high expression is found in pancreas, skeletal muscle, heart and seminal vesicle.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description as published results become available.

**Development**
Genotyping Protocols
QPCR: Generic DsRed
Standard PCR: Tg(DsRed)
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes or hemizygotes.

Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Citation
When using the DsRed T3 mouse strain in a publication, please cite the originating article(s) and include JAX stock #006051 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX11 (Maximum)

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.

### Domestic | International

<table>
<thead>
<tr>
<th>Live Mouse</th>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Homozygous for Tg(ActB-DsRed*Mst1)Nagy</td>
<td>$255.00</td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>Homozygous for Tg(ActB-DsRed*Mst1)Nagy</td>
<td>$255.00</td>
<td></td>
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</tr>
</tbody>
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### Related Products and Services

- Frozen Mouse Embryo: $2,595.00 per straw or vial

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#### Terms of Use

General Terms and Conditions

**QUESTIONS ABOUT TERMS OF USE**

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Licensing Information

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

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**Related Strains**

- All
- By Allele
- By Gene
- By Collection

All Related Strains
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