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, Lunenfeld-Tanenbaum Research Institute (LTRI), Mount Sinai Hospital
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.
**Genotyping Protocols**

- QPCR: **Generic DsRed**
- QPCR: **Generic DsRed**
- Standard PCR: **Tg(DsRed)**
- Probe: **Generic DsRed Probe**

**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

Pricing effective for USA, Canada and Mexico shipping destinations

### Live Mouse

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## Related Products and Services

| Frozen Mouse Embryo | B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J Frozen Embryo | $2595.00 |

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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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