



## tdTomato Reporter knockin rat

Model	tdTomato Reporter knockin rat
Strain	HsdSage:LE-Rosa26 <sup>tm1(tdTomato)</sup> Sage
Location	U.S.
Availability	Live colony

### Characteristics/husbandry

- + Background strain: Long Evans Hooded

### Zygoty genotype

- + Homozygous

### Research use

- + Optogenetics
- + Expression of td
- + Tomato fluorescence when Cre-recombinase is introduced

### Origin

The tdTomato Reporter KI rat model was originally created at SAGE Labs, Inc. in St. Louis, MO and distributed out of the Boyertown, PA facility. The line continues to be maintained through the original SAGE Labs animal inventory acquired by Envigo.

### Description

This model possesses the fluorophore tdTomato, sitting behind a floxed stop codon in the Rosa26 locus under control of the CAG promoter. By introducing Cre-recombinase through viral transduction or crossing with one of our Cre-driver rats, tdTomato fluorescence will be observed anywhere Cre- is expressed. The tdTomato Reporter rat is useful for applications requiring tissue specific expression, including optogenetics and breeding with Cre-driver lines.

## Contact us

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