



B6.129 (ROSA)^{m1(CreERT2)Tyj}/J

Stock No: 008463 | R26-CreERT2

Congenic, Targeted Mutation



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

Overview

Also Known As: R26-CreERT2

This strain enables temporal control of floxed gene expression by tamoxifen induction *in vivo*.

Donating Investigator

Dr. Tyler Jacks, Massachusetts Institute of Technology

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

N9+N1F12

(2019-05-06 00:00:00)

Gt(ROSA)26Sor^{tm1}(cre/ERT2)T₁

Allele Type

Gene Symbol

Gene Name

Targeted (Recombinase-expressing, Inducible)

Gt(ROSA)26Sor

gene trap ROSA 26, Philippe Soriano

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

VIEW PRICE LIST

Details

Detailed Description

A conditional Cre-ER^{T2} (Cre recombinase - estrogen receptor T2) cassette was introduced to the gene. The ER^{T2} moiety retains the Cre recombinase in the cytoplasm until tamoxifen administration releases this inhibition, thus permitting the recombination of genomic *loxP* sites. Efficient tamoxifen-induced Cre-mediated recombination throughout the body has been demonstrated through crosses with a Cre-responsive beta galactosidase reporter strain. This strain enables temporal control of floxed gene expression *in*

vivo and is reportedly more sensitive to tamoxifen than Stock No. [004847](#). Homozygotes are viable and fertile.

+ Development

+ Expression Data

+ Control Suggestions

+ Selected References

- Genetics

+ *Gt(ROSA)26Sor^{tm1(cre/ERT2)Tyj}*

- 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 P O R T 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

Separated PCR: *Gt(ROSA)26Sor^{tm1(cre/ERT2)Tyj}*

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintained as a live colony, homozygotes or heterozygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the *R26-Cre/ERT2* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008463 in your Materials and Methods section.

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

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Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
	Male	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
5 weeks	Female	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
	Male	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
6 weeks	Female	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
	Male	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
7 weeks	Female	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
	Male	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
8 weeks	Female	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00
	Male	Homozygous for Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj}	\$255.00

Related Products and Services

Frozen Mouse Embryo	B6.129-Gt(ROSA)26Sor ^{tm1(cre/ERT2)Tyj} /J	\$2595.00
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