

B6;129-*Bmi1*^{tm1(cre/ERT)Mrc}/J
Stock No: **010531** | *Bmi1*^{Cre-ER}

 Targeted Mutation

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offspring are useful for generating tamoxifen-induced, Cre-mediated targeted deletions, and when crossed with a floxed reporter strain, lineage tracing of *Bmi1*-expressing cells is possible.

Donating Investigator

Dr. Mario R Capecchi, University of Utah

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GENETIC OVERVIEW

Genetic Background

Generation

F?+F22
(2019-12-17 00:00:00)

Bmi1^{tm1(cre/ERT)Mrc}

Alele Type

Targeted (Recombinase-expressing, Inducible)

Gene Symbol

Bmi1

Gene Name

Bmi1 polycomb ring finger oncogene

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$278.00 Domestic price for female

V I E W P R I C E L I S T

Details

Detailed Description

These targeted mutant mice carry tamoxifen-inducible Cre under the transcriptional control of the mouse *Bmi1* (Bmi1 polycomb ring finger oncogene) promoter specifically expressed in discrete cells located near the bottom of crypts in the small intestine (predominantly four cells above the base of the crypt). When crossed with a strain containing a *loxP*-flanked sequence of interest, the offspring are useful for generating tamoxifen-induced, Cre-mediated targeted deletions. When crossed with a floxed reporter strain, lineage tracing of *Bmi1*-expressing cells is possible.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Bmi1^{tm1(cre/ERT)Mrc}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Technical Support

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

Standard PCR:[Bmi1](#)

[Genotyping resources and troubleshooting](#)

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 $Bmi1^{Cre-ER}$ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010531 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [FGB29 \(Standard\)](#)

Pricing & Availability



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

Available

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

AGE	SEX	GENOTYPE	PRICE
Approx 4-8 weeks	Female	Homozygous for $Bmi1^{tm1(cre/ERT)Mrc}$	\$278.00
	Male	Homozygous for $Bmi1^{tm1(cre/ERT)Mrc}$	\$278.00

Related Products and Services

Frozen Mouse Embryo

B6;129-Bmi1^{cre/ERT}Mrc>/J Frozen Embryo

\$2595.00

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