

B6.Cg-Tgfa^{wa1}/J

Stock No: **002863** | waved 1

 Congenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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GENETIC OVERVIEW

Genetic Background

000664 C57BL/6J

Generation

Tgfa^{wa1}

Allele Type

Spontaneous

Gene Symbol

Tgfa

Gene Name

transforming growth factor alpha

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research

Dermatology Research

Endocrine Deficiency Research

Immunology, Inflammation and Autoimmunity Research

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

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

Details

Detailed Description

Mice homozygous for the *Tgfa*^{wa1} spontaneous mutation are recognizable at 2 or 3 days of age by their curly whiskers. The first coat is strongly waved and straight in later coats. Most of the whiskers also become straight, but the guard hairs are curved and shorter than normal. Some homozygotes have eyelids open at birth.

Ventricular enlargement and striatal reduction is observed in adult homozygous *wa1* mice. The phenotype is more severe in males. In addition, adult males exhibit reduced hippocampal volume and impaired auditory and contextual fear learning. Both sexes demonstrate an abnormal fear response. Peripubertal mice do not exhibit behavioral deficits despite slight forebrain structural abnormalities. (Koshibu K, et al., 2005)

Control Suggestions

Genetics

Tgfa^{wa1}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the waved 1 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002863 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

Pricing & Availability



Cryo
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous for <i>Tgfa</i> ^{wa1}	\$2,854.50

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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully

characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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