

B6.TF-*Slc45a2*^{uw-d} /J

Stock No: **002550** | underwhite dense

 Congenic, Spontaneous Mutation

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

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and coat color.

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GENETIC OVERVIEW

Genetic Background

000664 C57BL/6J

Generation

Slc45a2^{uw-d}

Alele Type

Spontaneous

Gene Symbol

Slc45a2

Gene Name

solute carrier family 45, member 2

VIEW GENETICS

RESEARCH APPLICATIONS

Dermatology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Underwhite dense arose as a spontaneous mutation in the TF/Le inbred strain in 1992 and is carried as congenic in this strain with a C57BL/6J genetic background. The ventrum of mutants appear slightly lighter than the dorsum. Eyes are light at birth, but darken with age. The adult eye is deep, dark ruby, although it may appear black to an untrained observer. The similarity to ruby eye (*Hps6^{ru}*), ruby eye 2 (*Hps5^{ru2}*), and brown (*Tyrp1^b*) suggests that the underwhite gene may have effects on the shape and color of pigment granules similar to those produced by the ruby eye or brown mutations.

Control Suggestions

Genetics

Slc45a2^{uw-d}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Appearance

light buff with white under fur

Related Genotype: a/a $Slc45a2^{uw-d} / Slc45a2^{uw-d}$

black

Related Genotype: a/a $Slc45a2^{uw-d} / +$ or a/a $? / +$

Citation

When using the underwhite dense mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002550 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	Heterozygous for $Slc45a2^{<uw-d>}$	\$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**

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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