

C3A.BLiA-*Pde6b*^{+/J} **FACULTY STRAIN**

Stock No: 001912

 Congenic

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In this congenic strain, the wild type *Pde6b* allele from C57BL/LiA was introgressed onto the C3Hf/HeA background. Retinal degeneration 1 (*Pde6b*^{rd1}) is a spontaneous mutation that is present in multiple inbred strains, including the C3H substrains. Strains that carry *rd1* lack rod cells. This strain provides a sighted C3H mouse for use in research studies that require normal vision.

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

F?⁺27
(2020-04-23 00:00:00)

Pde6b⁺

Allele Type

Not Applicable

Gene Symbol

Pde6b

Gene Name

phosphodiesterase 6B, cGMP, rod receptor, beta polypeptide

VIEW GENETICS

RESEARCH APPLICATIONS

Mouse/Human Gene Homologs

Sensorineural Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$130.95 Domestic price for female

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

Details

Detailed Description

In this congenic strain, the wild type *Pde6b* allele from C57BL/LiA was introgressed onto the C3Hf/HeA background. Retinal degeneration 1 (*Pde6b^{rd1}*) is a spontaneous mutation that is present in multiple inbred strains, including the C3H substrains. Strains that carry *rd1* lack rod cells. This strain provides a sighted C3H mouse for use in research studies that require normal vision. This strain also does not have the *nob5* allele of *Gpr179* (Chang, 2015) or the *Ctcc1^{m1J}* allele found in C3H/HeSn subline mice.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Pde6b⁺

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- 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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Malocclusion occurs occasionally in this strain.

[Additional Breeding and Husbandry Support](#)

Mating System

Sibling x Sibling

Appearance

agouti

Related Genotype: *A/A*

Citation

When using the *C3A.BLiA-Pde6b⁺/J* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #001912 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [MGL277 \(Low\)](#)

[- Pricing & Availability](#)



Availability
Varies

Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE

SEX

GENOTYPE

PRICE

+

Approx 4-8 weeks	Female	Homozygous for Pde6b	\$130.95
	SEX		
	Male	Homozygous for Pde6b	\$130.95

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LICENSING INFORMATION

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 Email: TechTran@jax.org

Related Strains

- All
- By Allele
- By Gene
- By Collection



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