

B6.CXB1-*Pde6c*^{cpfl1} /J **FACULTY STRAIN**

Stock No: 003678

 Congenic, Spontaneous Mutation

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GENETIC OVERVIEW

Genetic Background

Generation

N5F26
(2020-04-23 00:00:00)

Pde6c^{cpfl1}

Alele Type

Spontaneous

Gene Symbol

Pde6c

Gene Name

phosphodiesterase 6C, cGMP specific, cone, alpha prime

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$183.21 Domestic price for female

Details

- Detailed Description

As early as 3 weeks of age electroretinograms show no cone-mediated responses, although rod-mediated responses are normal. There is normal retina structure but as early as 3 weeks of age vacuolization of a small subset of cells in the photoreceptor layer is found and cone photoreceptor cell degeneration becomes extensive such that very few cone cells can be found at 5 months of age. This mutant is a model for achromatopsia.

+ Development

+ Control Suggestions

+ Selected References

Genetics

+ *Pde6c^{cpfl1}*

Disease/Phenotype

+ Disease Terms

+ Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

+ References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Mating System

Homozygote x Homozygote

Citation

When using the B6.CXB1-*Pde6c*^{cpf1}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003678 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 <i>Pde6c</i> ^{cpf1}	\$183.21
	Male	Homozygous for <i>Pde6c</i> ^{cpf1}	\$183.21

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