This wild-derived inbred strain may be useful for genetic mapping studies.

GENETIC OVERVIEW

Genetic Background | Generation
---|---
Wild-Derived | F111+F1

(RELEASE DATE 2019-06-12 00:00:00)

RESEARCH APPLICATIONS

Research Tools
Reproductive Biology Research

BASE PRICE

Starting at:

$218.00 Domestic price for female 5-week
PWK was derived from wild mice trapped near Prague, Czech Republic. PWK has a biochemical profile that is similar to the inbred strain PWD (also originating from the Czech Republic - Stock No. 004660) with the exception of the isoenzyme variant esterase 13 (Es13^*). Wild-derived mice are genetically distinct from common laboratory mice for a number of complex phenotypic characteristics and are valuable tools for genetic mapping, evolution and systematics research.

In 2019-2020, researchers at The Jackson Laboratory discovered this inbred strain contains the Trem2^S148E allele - a naturally occurring variant at position 48351151-48351152 on Chr 17 (rs108080490 and rs107649577; Ensembl GRCm38.p6). This TC to GA transition results in a serine to glutamic acid substitution at amino acid 148 (S148E).

**Genetics**

* Cox7a2l

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Phenotype**

**Mammalian Phenotype Terms by Genotype**

**Phenotype Information**

**References**

**Technical Support**
Genotyping Protocols
Genotyping resources and troubleshooting

Mating System
Sibling x Sibling
Appearance
agouti
Related Genotype: A/A
Citation
When using the PWK/PhJ mouse strain in a publication, please include JAX stock #003715 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

 AX18 (Maximum)

Pricing & Availability

Available

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

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<th>Live Mouse</th>
<th>SEX</th>
<th>PRICE</th>
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<td>$218.00</td>
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<td>6 weeks</td>
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<td>7 weeks</td>
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<td></td>
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Domestic Internation
Pricing effective for USA, Canada and Mexico shipping destinations
Related Products and Services

Frozen Mouse Embryo  
**PWK/PhJ**  
$2595.00

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<th>SEX</th>
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Terms Of Use

General Terms and Conditions

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Phone: 207-288-6470  
Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains