

## BXA7/Pgn-*Slc26a4*<sup>pdsm</sup> /J

Stock No: **006816** | Pendred syndrome model

 Coisogenic, 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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circling, and occasional head tilt.

READ MORE +

## GENETIC OVERVIEW

Genetic Background Generation

*Slc26a4*<sup>pdsm</sup>

Alele Type	Gene Symbol	Gene Name
Spontaneous	<i>Slc26a4</i>	solute carrier family 26, member 4

VIEW GENETICS

## RESEARCH APPLICATIONS

Sensorineural Research  
Mouse/Human Gene Homologs  
Reproductive Biology Research  
Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

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

## Details

### Detailed Description

Mice homozygous for the *pds* mutation display head bobbing, circling, and occasional head tilt, evident by 3 weeks of age. The inner ear defects include diminished or absent otoconia, hair cells and spiral ganglion cells, malformed tectorial membrane, a reduction in the number of cochlear turns, degeneration of the organ of Corti, and displacement of Reissner's membrane resulting in enlarged scala media. Serum chemistry and histology failed to detect any signs of hypothyroidism.

### Development

### Control Suggestions

## Genetics

### *Slc26a4*<sup>pds</sup>

## 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](#)

#### Breeding Considerations

homozygous females are poor mothers

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the Pendred syndrome model mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006816 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
<a href="#">Cryo Recovery</a>	Heterozygous or Homozygous for Pgn-Slc26a4<pdsM>, 1 pair minimum	\$2,854.50

## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

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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## Terms Of Use

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### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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## Related Strains

All

By Allele

By Gene

By Collection





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# TOMORROW'S CURES



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