



# SKH2/J

Stock No: 002335

Spontaneous Mutation



CRYO RECOVERY

PLACE ORDER

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

## Overview

These mice develop a hairless phenotype, hearing loss, and have a higher incidence of leukemia.

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### GENETIC OVERVIEW

Genetic Background      Generation

#### *Cdh23<sup>ahl</sup>*

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Cdh23</i>	cadherin 23 (otocadherin)

#### *Hr<sup>hr</sup>*

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>Hr</i>	lysine demethylase and nuclear receptor corepressor

#### *mt-Tr<sup>m2</sup>*

Allele Type	Gene Symbol	Gene Name
Spontaneous	<i>mt-Tr</i>	mitochondrially encoded tRNA arginine

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Cancer Research  
Immunology, Inflammation and Autoimmunity Research  
Cardiovascular Research  
Research Tools  
Neurobiology Research  
Sensorineural Research  
Dermatology Research

[VIEW ALL RESEARCH APPLICATIONS](#)

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

[VIEW PRICE LIST](#)

### [- Details](#)

#### Important Note

This strain is homozygous for *Cdh23<sup>ahl</sup>*, the age related hearing loss 1 mutation, which on this background results in progressive hearing loss that is already severe by three months of age (Johnson *et al.* 2000).

#### [- Detailed Description](#)

Mice homozygous for the *hr* spontaneous mutation have a higher incidence and earlier onset of leukemia, reducible by virus-specific antibody. Deficiency of splenic T helper cells (Ly-1+) may account for low cellular immune response of homozygous mutant mice. The coat is normal on *hr/hr* mice up to 10 days but then hair is lost from the follicle. Waves of hair growth with few thin fuzzy hairs occur at monthly intervals for some time but homozygotes eventually become continuously hairless. Vibrissae are repeatedly regrown and shed, becoming more abnormal with age. Toenails are long and curved. There is hyperkeratosis of stratified epithelium and the upper part of hair canals beginning at 14 days. Hair club formation is abnormal. Cysts form from the hyperkeratotic upper part of hair canals and sheaths of abnormal follicles stranded in dermis. Some cysts also form from sebaceous glands. All cysts undergo sebaceous transformation and later keratinization. Black juvenile hair coat and tanning is a dominant trait for this SKH2 substrain. This mutant is for research on ultraviolet radiation induced melanogenesis.

#### [+ Control Suggestions](#)

### [- Genetics](#)

#### [+ \*Cdh23<sup>ahl</sup>\*](#)

+  $Hr^{hr}$

+  $mt-Tr^{m2}$

## - Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ Phenotype Information

+ References

## - Technical Support

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

### Genotyping Protocols

Separated PCR: $Hr^{hr}$

[Genotyping resources and troubleshooting](#)

### Appearance

pigmented, without hair

Related Genotype:  $a/a Hr^{hr}/Hr^{hr}$

### Citation

When using the SKH2/L mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002335 in your Materials and Methods section.

[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	GENOTYPE	PRICE
Cryo Recovery	Homozygous for Hr<hr> and Homozygous for /Cdh23<ahl>, 1 pair minimum	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

## 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.

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### Terms of Use

[General Terms and Conditions](#)

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