

## CByJ.Cg-Celsr1<sup>ctb</sup>/GrsrJ

Stock No: 016111 | curly tail bobber

 Congenic, 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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otitis media, hearing impairment, abnormal hair pattern, curled tail, reduced fertility, reduced *in utero* viability, and smaller body size.

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## GENETIC OVERVIEW

Genetic Background

Generation

001026 BALB/cByJ

### *Celsr1*<sup>ctb</sup>

Alele Type

Gene Symbol

Gene Name

Spontaneous  
(Null/Knockout)

*Celsr1*

cadherin, EGF LAG seven-pass G-type receptor 1

VIEW GENETICS

## RESEARCH APPLICATIONS

Developmental Biology Research  
Sensorineural Research  
Dermatology Research  
Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

### Details

#### Detailed Description

Curly tail bobber homozygotes may display head tossing, circling, otitis media, hearing impairment, abnormal hair pattern, curled/wavy tail or small size in comparison to littermates. The fur, most noticeably on the rump, can grow in reverse orientation leading to an overall ruffled coat appearance. The phenotype varies from animal to animal. Some mice that exhibited only small body size and wavy tails proved to be homozygotes, and the head bobbing and circling phenotypes also range from severe to mild. Homozygotes seldom breed, although they do live a normal lifespan. Histology on two males at ten months of age found otitis media, testicular atrophy and mild hydrocephalus. Cross sections of ears from three homozygotes found otitis media in all three and auditory brainstem response (ABR) analysis at four and five weeks of age found moderate to severe hearing loss. No hearing loss or abnormal phenotype was found in heterozygotes. Heterozygous intercrosses yield fewer than 21% homozygotes.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Celsr1<sup>ctb</sup>*

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

- 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

Sanger sequencing:[Celsr1](#)

[Genotyping resources and troubleshooting](#)

Mating System

Heterozygote x Heterozygote

Citation

When using the curly tail bobber mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #016111 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 wildtype for <a href="#">Celsr1&lt;ctb&gt;</a>	\$2,854.50

RELATED PRODUCTS AND SERVICES

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## 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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#### LICENSING INFORMATION

Phone: 207-288-6470

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

### Related Strains

All

By Allele

By Gene

By Collection



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