B 6.129Lsd7tm1Her/J

Stock No: 002207 | Ldlr KO

Congenic, Targeted Mutation

READILY AVAILABLE

PLACE ORDER

Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.

Overview
Also Known As: Ldlr KO
Mice homozygous for the Ldlrtm1Her mutation have an elevated serum cholesterol level of 200-400 mg/dl and they have very high levels (>2,000 mg/dl) when fed a high fat diet. Normal serum cholesterol in the mouse is 80-100 mg/dl.

Donating Investigator
IMR Colony, The Jackson Laboratory

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>000664 C57BL/6J</td>
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Ldlrtm1Her

<table>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Ldlr</td>
<td>low density lipoprotein receptor</td>
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RESEARCH APPLICATIONS
Diabetes and Obesity Research
Cardiovascular Research
Mouse/Human Gene Homologs
Metabolism Research
Details

Detailed Description

Mice homozygous for the $Ldl^{tm1Her}$ mutation have an elevated serum cholesterol level of 200-400 mg/dl and they have very high levels (>2,000 mg/dl) when fed a high fat diet. Normal serum cholesterol in the mouse is 80-100 mg/dl.

Development

Control Suggestions

Selected References

Genetics

$Ldl^{tm1Her}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

References

Technical Support
Genotyping Protocols
Standard PCR: Ldlr-alternate 1
Genotyping resources and troubleshooting

Breeding Considerations

This strain is a good breeder.
This Ldlr<sup>tm1Her</sup> strain is maintained by mating homozygous siblings. Only homozygous mice may be ordered.

Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using the Ldlr KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #002207 in your Materials and Methods section.

Pricing & Availability

Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.

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<th>AGE</th>
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All

By Allele

By Gene

By Collection

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