B6.129Lsd1\text{tm1Her} / 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 Ldlr\textsuperscript{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.

Donating Investigator

IMR Colony, The Jackson Laboratory

### GENETIC OVERVIEW

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

**Ldlr\textsuperscript{tm1Her}**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Ldlr</td>
<td>low density lipoprotein receptor</td>
</tr>
</tbody>
</table>

### RESEARCH APPLICATIONS

- Diabetes and Obesity Research
- Cardiovascular Research
- Mouse/Human Gene Homologs
- Metabolism Research
Mice homozygous for the Ldl<sup>tm1Her</sup> 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.
Genotyping Protocols
Standard PCR: Ldl<sup>tm1Her</sup>
Genotyping resources and troubleshooting

Breeding Considerations

This strain is a good breeder.

This Ldl<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 Ldl<sup>tm1Her</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #002207 in your Materials and Methods section.

Animal Health Reports

Facility Barrier Level Descriptions

- RB10 (Maximum)
- AX4 (Standard)

Pricing & Availability

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Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Homozygous for Ldl&lt;sup&gt;tm1Her&lt;/sup&gt;</td>
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<td>$133.35</td>
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