This strain serves as a model of noninsulin dependent diabetes mellitus, type 2.
**Genetic Background**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td></td>
<td>F107+4pF14</td>
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</table>

**RESEARCH APPLICATIONS**

- Neurobiology Research
- Sensorineural Research
- Immunology, Inflammation and Autoimmunity Research
- Research Tools
- Diabetes and Obesity Research

**BASE PRICE**

Starting at:

$236.78 Domestic price for female 4-week

**Important Note**

This strain is homozygous for $Cdh23^{ahl}$, the age related hearing loss 1 mutation, which on this background results in progressive hearing loss with onset after 10 months of age.

**Detailed Description**

KK/HJ male mice exhibit diabetic symptoms that includes hyperglycemia, hyperinsulinemia, and insulin resistance.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

- $Hc^0$
- $Cdh23^{ahl}$
- $Cox7a2^l$
Genotyping Protocols
Pyrosequencing: Tyr c
End Point Analysis: Tyr c-EP
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Mating System
Sibling x Sibling

Appearance
albino
Related Genotype: a/a Tyr+/Tyr

Citation
When using the KK/HlJ mouse strain in a publication, please include JAX stock #002106 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX18 (Maximum)

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.

Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>PRICE</th>
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<tbody>
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<tr>
<td>SEX</td>
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<td>9 weeks</td>
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<td></td>
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<td></td>
<td>11 weeks Female</td>
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<tr>
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<td>12 weeks Female</td>
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</table>

**Related Products and Services**

| Frozen Mouse Embryo | KK/HJ Frozen Embryos | $2595.00 |

**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

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Email: TechTran@jax.org

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Related Strains