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

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>F107+4pF14</td>
<td>(2020-01-17 00:00:00)</td>
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</table>

**RESEARCH APPLICATIONS**

Neurobiology Research
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.

Genetics

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

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

Mating System
Sibling x Sibling
Appearance
albino
Related Genotype: \textit{a/a} \textit{Tyr} c/\textit{Tyr} c

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

Animal Health Reports
Facility Barrier Level Descriptions

- \textit{AX18} (Maximum)

Pricing & Availability

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>PRICE</th>
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<tr>
<td>5 weeks</td>
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<tr>
<td></td>
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<td>$236.78</td>
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<tr>
<td>6 weeks</td>
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<td>$236.78</td>
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<tr>
<td></td>
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<tr>
<td></td>
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Phone: 207-288-6470
Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection

All Related Strains

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