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

<table>
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<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>F107+4pF14</td>
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**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 c Tyr c

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

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

Available

Live Mouse

SEX

PRICE
### Frozen Mouse Embryo

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### Related Products and Services

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**General Terms and Conditions**
**Licensing Information**

Phone: 207-288-6470
Email: TechTran@jax.org

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