These mice carry an ENU-induced mutation characterized by thinning of the peripheral retina in the eyes and an increase in the rate of retinal degeneration.

The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIH-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mertk&lt;sup&gt;nmf12&lt;/sup&gt;</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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</thead>
<tbody>
<tr>
<td>Chemically induced (ENU)</td>
<td>Mertk</td>
<td>c-mer proto-oncogene tyrosine kinase</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

**BASE PRICE**

Starting at:
Details

Detailed Description

Single mutant found at 13 weeks of age with retinal patch in left eye. The original mutant was non-productive and ovarian transplants of mutant ovaries also produced no offspring. However, matings of presumed heterozygotes have produced additional offspring. Standard pathology work-up on 3 mutants (266, 325 or 360 days of age) showed thinning of the peripheral retina in both eyes. One eye also showed a small area in which the outer nuclear layer was very thin.

Development

Genetics

Mertk<sup>nmf12</sup>

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: a/a
Citation
When using the C57BL/6J-Mertk<sup>nmf12</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #004110 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Cryo Recovery
Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic
Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Unknown for nmf12</td>
<td>$2,854.50</td>
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</table>

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Terms Of Use

General Terms and Conditions

License Information

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

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