Overview

Also Known As: GDF9-iCRE

These transgenic mice express Cre recombinase under the control of the mouse growth differentiation factor 9 (Gdf9) promoter. Cre recombinase expression is detected in oocytes of the primordial follicles by postnatal day 3. This strain represents an effective tool for generating tissue specific-targeted mutants that would be useful in studies of folliculogenesis and oocyte development.
Hemizygous mice are viable, fertile, normal in size, and do not display any gross physical or behavioral abnormalities. These transgenic mice express Cre recombinase under the control of the mouse growth differentiation factor 9 (Gdf9) promoter. Cre recombinase expression is detected in oocytes of the primordial follicles by postnatal day 3 and in oocytes, but not somatic cells, of all follicles at the primary, secondary and later stages by 24 days. When crossed with a strain containing loxP site flanked sequence, Cre-mediated recombination results in deletion of the flanked sequence in the offspring. This mutant mouse strain may be useful in studies of studies of folliculogenesis and oocyte development.
Genotyping Protocols
Standard PCR: Tg(Gdf9-icre)5092Coo
Genotyping resources and troubleshooting

Breeding Considerations
While maintaining a live colony, these mice are bred as hemizygotes. The donating investigator indicates that homozygotes are viable, but did not maintain this line as a homozygote x homozygote mating.

Additional Breeding and Husbandry Support

Citation
When using the GDF9-iCRE mouse strain in a publication, please cite the originating article(s) and include JAX stock #011062 in your Materials and Methods section.

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

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