FVB/N-*Hsp90aa1*$^{Tg(Tyr)2396BOve}$/Mmjax

MMRRC Stock No: **36273-JAX**

Coisogenic, Transgenic

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transgene (LV2187). The donating investigator reports the phenotype of homozygous mice as: males are sterile with small testes.

Donating Investigator

Paul A Overbeek, Baylor College of Medicine

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GENETIC OVERVIEW

Genetic Background **Generation**

Hsp90aa1$^{Tg(Tyr)2396BOve}$

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIO

Details

Detailed Description

These OVE#2396B mice harbor a mutation created by random insertion of the Tyro-sd-IRES-loxP-FUGW lentiviral transgene (LV2187). Using inverse PCR analysis, the transgene integration site was identified in exon 9 of the heat shock protein 90, alpha, class A member 1 gene (*Hsp90aa1*) on chromosome 12 (specifically at the 3'-111,930,859(+) bp position). The donating investigator reports the phenotype of homozygous mice as: males are sterile with small testes.

Development

Expression Data

Control Suggestions

Genetics

Hsp90aa1$^{Tg(Tyr)2396BOve}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated PCR:Hsp90aa1-3'
Separated PCR:Hsp90aa1-5'
Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, bred with wildtype siblings, or bred with FVB/N inbred mice.

Additional Breeding and Husbandry Support

Citation

When using the FVB/N-*Hsp90aa1*$^{Tg(Tyr)2396BOve}$/Mmjax mouse strain in a publication, please cite the originating article(s) and include MMRRC stock #36273 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

THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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