

Q **=**

FVB/N-Dync2h1 Tg(Tyr)2307AOve /Mmjax MMRRC Stock No: 36259-JAX

Coisogenic, Transgenic

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(LV2177). The donating investigator reports the phenotype of homozygous mice as: embryonic day (E)10-12 lethal.

Donating Investigator

Paul A Overbeek, Baylor College of Medicine

R F A D M O R F +

GENETIC OVERVIEW

Genetic Background Generation

Dync2h1^{Tg(Tyr)}2307AOve

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

VIEW ALL RESEARCH APPLICATIOI

 Detailed Description
These OVE#2307A mice harbor a mutation created by random insertion of the Tyro-WPRE-FUGW lentiviral transgene (LV2177). Using inverse PCR analysis, the transgene integration site was identified in intron 25 of the dynein cytoplasmic 2 heavy chain 1 gene (<i>Dync2h1</i>) on chromosome 9 (specifically at the 3'-6,987,582(-) bp position in sense orientation). The donating investigator reports the phenotype of homozygous mice as: embryonic day (E)10-12 lethal.
• Development
Expression Data
• Control Suggestions
 Genetics
◆ Dync2h1 ^{Tg(Tyr)2307AOve}
 Disease/Phenotype
• Disease Terms
Research Areas By Phenotype
Mammalian Phenotype Terms by Genotype
• References
 Technical Support

Details

Genotyping Protocols
Separated PCR:Dync2h1-3'
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-*Dync2h1* Tg(Tyr)2307AOve /Mmjax mouse strain in a publication, please cite the originating article(s) and include MMRRC stock #36259 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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General Terms and Conditions

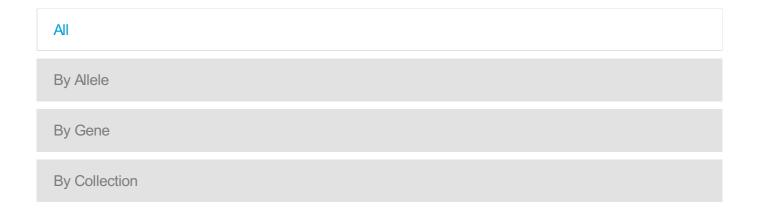
See MMRRC for Additional Conditions of Distribution

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

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







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TOMORROW'S CURES

