

B6.129P2(Cg)-Hprt^{tm73(Ple142-lacZ)Ems}/Mmjax

MMRRC Stock No: **32962-JAX**

 Congenic, Targeted Mutation

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These mice have the Ple142-lacZ transgene targeted as a single copy "knockin" into the upstream region of the *Hprt* locus on the X chromosome. The promoter/regulatory regions of the human *NR2E1* gene direct expression of β -galactosidase.

Donating Investigator

Elizabeth M Simpson, Centre for Molecular Medicine & Therapeutics, University of British Columbia

GENETIC OVERVIEW

Genetic Background

Generation

Hprt^{tm73(Ple142-lacZ)Ems}

Allele Type

Targeted (Reporter,
Null/Knockout)

Gene Symbol

Hprt

Gene Name

hypoxanthine guanine phosphoribosyl transferase

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

V I E W A L L R E S E A R C H A P P L I C A T I O N S

Details

[+ Expression Data](#)

Genetics

[+ *Hprt*^{tm73\(Ple142-lacZ\)Ems}](#)

Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Standard PCR:[Generic LacZ Melt Curve Analysis](#)

Probe:[Generic LacZ Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The donating investigator recommends maintaining this strain by breeding heterozygous females with C57BL/6J inbred males.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129P2(Cg)-Hprt^{tm73(Ple142-lacZ)Ems}/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #32962 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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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Phone: 207-288-6470

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Related Strains

All

By Allele

By Gene

By Collection



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