

**B6.129P2(Cg)-Hprt<sup>tm59(Ple123-lacZ)Ems</sup>/Mmjax**

MMRRC Stock No: **32954-JAX**

 Congenic, Targeted Mutation

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These mice have the Ple123-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 *ICMT* gene direct expression of  $\beta$ -galactosidase.

### Donating Investigator

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

## GENETIC OVERVIEW

Genetic Background

Generation

*Hprt<sup>tm59(Ple123-lacZ)Ems</sup>*

**Allele Type**

Targeted

**Gene Symbol**

*Hprt*

**Gene Name**

hypoxanthine guanine phosphoribosyl transferase

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

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

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[+ Expression Data](#)

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[- Genetics](#)

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[+ \*Hprt\*<sup>tm59\(Ple123-lacZ\)Ems</sup>](#)

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[- Disease/Phenotype](#)

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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[- 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

Probe:[Gt\(rosa\)26sor Probe](#)

Separated MCA:[Gt\(ROSA\)26Sor STD](#)

Standard PCR:[Hprt](#)

Standard PCR:[Gt\(ROSA\)26Sor STD](#)

[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<sup>tm59(Ple123-lacZ)Ems</sup>/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #32954 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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### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

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By Gene

By Collection



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