

B6.129P2(Cg)-Hprt^{tm40(Ple34-lacZ)Ems}/Mmjax

MMRRC Stock No: **32950-JAX**

 Congenic, Targeted Mutation

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These mice have the Ple34-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 *CLDN5* 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^{tm40(Ple34-lacZ)Ems}

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

[+ Expression Data](#)

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[+ *Hprt^{tm40\(Ple34-lacZ\)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

Separated PCR:[012576 - B6.Cg-Hprt/J](#)

[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^{tm40(Ple34-lacZ)Ems}*/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #32950 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](#)

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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