

Resource Summary Report

Generated by [Kravitz](#) on Sep 15, 2026

[Hspg2^{tm1Ref}/Hspg2^{tm1Ref}; Mmp9^{tm1Tvu}/Mmp9^{tm1Tvu}](#)

RRID:MGI:3590209
Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3590209

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: increased diameter of humerus, abnormal long bone metaphysis morphology, short humerus, disorganized long bone epiphyseal plate

Affected Gene: Mmp9, Hspg2

Genomic Alteration: tm1Ref, tm1Tvu

Catalog Number: 3590209

Background: involves: 129S1/Sv * 129S6/SvEvTac * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12814946](#)

Organism Name: Hspg2^{tm1Ref}/Hspg2^{tm1Ref}; Mmp9^{tm1Tvu}/Mmp9^{tm1Tvu}

Record Creation Time: 20240120T190620+0000

Record Last Update: 20240130T202116+0000

Ratings and Alerts

No rating or validation information has been found for Hspg2^{tm1Ref}/Hspg2^{tm1Ref}; Mmp9^{tm1Tvu}/Mmp9^{tm1Tvu}.

No alerts have been found for Hspg2^{tm1Ref}/Hspg2^{tm1Ref}; Mmp9^{tm1Tvu}/Mmp9^{tm1Tvu}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.