

Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 2026

[Dmp1^{tm1Mis}/Dmp1^{tm1Mis}](#)

RRID:MGI:3041399

Type: Organism

Proper Citation

RRID:MGI:3041399

Organism Information

URL:

Proper Citation: RRID:MGI:3041399

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

Species: *Mus musculus*

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

Phenotype: abnormal dentin morphology, abnormal alveolar process morphology, abnormal cementum mineralization, abnormal periodontal ligament morphology, abnormal osteocyte lacunocanalicular system morphology, abnormal long bone hypertrophic chondrocyte zone, growth retardation of molars, abnormal osteocyte lacuna morphology, abnormal osteocyte canaliculus morphology, abnormal dentin morphology, decreased bone mineralization, increased diameter of long bones, increased osteoblast cell number, abnormal acellular cementum morphology, increased susceptibility to bacterial infection, abnormal cementocyte lacuna morphology, abnormal predentin morphology, alveolar process atrophy, abnormal cementocyte lacunocanalicular system morphology, increased osteoid volume, abnormal tooth mineralization, abnormal cementoblast morphology, abnormal cellular cementum morphology, skeleton phenotype, misaligned teeth, abnormal dentin development, abnormal periodontium morphology, abnormal cementocyte dendritic process morphology, reduced enamel thickness, abnormal dentin mineralization, decreased molar number, abnormal cementocyte canaliculus morphology, abnormal dental pulp cavity morphology, abnormal bone mineralization involved in bone maturation, abnormal alveolar process morphology, decreased cementoblast number

Affected Gene: *Dmp1*

Genomic Alteration: *tm1Mis*

Catalog Number: 3041399

Background: involves: 129S7/SvEvBrd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18573980](#), [PMID:14966118](#), [PMID:14514755](#)

Organism Name: Dmp1^{tm1Mis}/Dmp1^{tm1Mis}

Record Creation Time: 20240120T190702+0000

Record Last Update: 20240130T202133+0000

Ratings and Alerts

No rating or validation information has been found for Dmp1^{tm1Mis}/Dmp1^{tm1Mis}.

No alerts have been found for Dmp1^{tm1Mis}/Dmp1^{tm1Mis}.

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.