

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

[Smad3^{tm1Xfw}/Smad3^{tm1Xfw}](#)

RRID:MGI:2182651

Type: Organism

Proper Citation

RRID:MGI:2182651

Organism Information

URL:

Proper Citation: RRID:MGI:2182651

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

Species: Mus musculus

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

Phenotype: abnormal sternum morphology, abnormal talus morphology, abnormal carpal bone morphology, kyphosis, abnormal cell proliferation, abnormal cytokine secretion, abnormal T cell proliferation, abnormal rib morphology, immune system phenotype, abnormal thoracic cage morphology, decreased body size, abnormal B cell proliferation

Affected Gene: Smad3

Genomic Alteration: tm1Xfw

Catalog Number: 2182651

Background: involves: 129/Sv * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10082515](#)

Organism Name: Smad3^{tm1Xfw}/Smad3^{tm1Xfw}

Record Creation Time: 20240120T190749+0000

Record Last Update: 20240130T202107+0000

Ratings and Alerts

No rating or validation information has been found for Smad3^{tm1Xfw}/Smad3^{tm1Xfw}.

No alerts have been found for Smad3^{tm1Xfw}/Smad3^{tm1Xfw}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Senft AD, et al. (2018) Combinatorial Smad2/3 Activities Downstream of Nodal Signaling Maintain Embryonic/Extra-Embryonic Cell Identities during Lineage Priming. Cell reports, 24(8), 1977.