

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

[Smpd3^{fro}](#)/[Smpd3^{fro}](#)

RRID:MGI:4437913

Type: Organism

Proper Citation

RRID:MGI:4437913

Organism Information

URL:

Proper Citation: RRID:MGI:4437913

Description: Allele Detail: Chemically induced (other) This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Chemically induced (other) This is a legacy resource.

Phenotype: increased circulating parathyroid hormone level, abnormal cartilage development, bowed radius, bowed humerus, postnatal lethality, incomplete penetrance, abnormal femur morphology, short ribs, abnormal humerus morphology, decreased length of long bones, abnormal limb morphology, abnormal long bone morphology, postnatal lethality, incomplete penetrance, decreased survivor rate, abnormal olecranon morphology, rib fractures, increased circulating parathyroid hormone level, abnormal long bone morphology, abnormal dentin development, abnormal bone mineralization, abnormal clavicle morphology, abnormal alveolar process morphology, decreased body size, abnormal long bone morphology, abnormal fibula morphology, abnormal pubis morphology, abnormal bone ossification, abnormal scapula morphology, abnormal rib morphology, short humerus, decreased survivor rate, abnormal osteoblast morphology, short femur, bowed ulna, delayed bone ossification, abnormal bone mineralization, abnormal tibia morphology, abnormal sternum ossification, abnormal ischium morphology, cyanosis, reduced fertility, abnormal limb bone morphology, decreased bone trabecula number, decreased bone mineral density, abnormal epiphyseal plate morphology, increased width of hypertrophic chondrocyte zone, respiratory distress, decreased body length, abnormal long bone metaphysis morphology, short ulna, bowed tibia, abnormal perichondrium morphology, abnormal periosteum morphology, decreased body size

Affected Gene: Smpd3

Genomic Alteration: fro

Catalog Number: 4437913

Background: Not Specified

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16025116](#), [PMID:6391574](#), [PMID:8456819](#), [PMID:6801109](#)

Organism Name: Smpd3^{fro}/Smpd3^{fro}

Record Creation Time: 20240120T190305+0000

Record Last Update: 20240130T201824+0000

Ratings and Alerts

No rating or validation information has been found for Smpd3^{fro}/Smpd3^{fro}.

No alerts have been found for Smpd3^{fro}/Smpd3^{fro}.

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.