

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

C3NCrI.FRA(Cg)-*Smpd3*^{fro}/Mmnc

RRID:MMRRC_034668-UNC

Type: Organism

Proper Citation

RRID:MMRRC_034668-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34668

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Description: Mus musculus with name C3NCrI.FRA(Cg)-*Smpd3*^{fro}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Developmental Biology, Models for Human Disease; Mutation Type: chemically induced mutation ; Collection:

Phenotype: delayed bone ossification [MP:0000060]| decreased bone mineral density [MP:0000063]| abnormal long bone metaphysis morphology [MP:0000133]| abnormal scapula morphology [MP:0000149]| abnormal rib morphology [MP:0000150]| abnormal cartilage development [MP:0000164]| abnormal tibia morphology [MP:0000558]| abnormal femur morphology [MP:0000559]| overexpanded pulmonary alveoli [MP:0001183]| decreased body length [MP:0001258]| decreased body size [MP:0001265]| abnormal lipid level [MP:0001547]| cyanosis [MP:0001575]| reduced fertility [MP:0001921]| respiratory distress [MP:0001954]| emphysema [MP:0001958]| abnormal limb morphology [MP:0002109]| abnormal limb bone morphology [MP:0002115]| abnormal fibula morphology [MP:0002187]| abnormal pulmonary alveolus morphology [MP:0002270]| abnormal bone mineralization [MP:0002896]| increased circulating parathyroid hormone level [MP:0002904]| short femur [MP:0003109]| increased width of hypertrophic chondrocyte zone [MP:0003408]| abnormal long bone morphology [MP:0003723]| abnormal alveolar process morphology [MP:0004189]| short humerus [MP:0004351]| bowed tibia [MP:0004358]| short ulna [MP:0004359]| bowed ulna [MP:0004361]| bowed humerus [MP:0004373]| bowed radius [MP:0004374]| abnormal pubis morphology [MP:0004506]| abnormal ischium morphology [MP:0004507]| short ribs [MP:0004672]| rib fractures [MP:0004675]| decreased length of long bones [MP:0004686]| abnormal osteoblast morphology [MP:0004986]| abnormal ulna morphology [MP:0005108]| abnormal humerus morphology [MP:0005296]| abnormal clavicle morphology [MP:0005298]| abnormal perichondrium morphology [MP:0006322]| abnormal epiphyseal

plate morphology [MP:0006395]| abnormal bone ossification [MP:0008271]| abnormal sternum ossification [MP:0008277]| decreased survivor rate [MP:0008770]| decreased bone trabecula number [MP:0010869]| increased lung compliance [MP:0010895]| abnormal periosteum morphology [MP:0010971]| postnatal lethality [MP:0011086]| incomplete penetrance [MP:0030542]

Affected Gene: Smpd3

Catalog Number: 034668-UNC

Background: chemically induced mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:16025116](#)

Alternate IDs: MMRRC_34668-UNC, MMRRC_034668, MMRRC_34668

Organism Name: C3NCrI.FRA(Cg)-*Smpd3*^{fro}/Mmnc

Record Creation Time: 20230308T055134+0000

Record Last Update: 20260905T110901+0000

Ratings and Alerts

No rating or validation information has been found for C3NCrI.FRA(Cg)-*Smpd3*^{fro}/Mmnc.

No alerts have been found for C3NCrI.FRA(Cg)-*Smpd3*^{fro}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.