

Resource Summary Report

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

C57BL/6N-*Spns2tm1a(KOMP)Wtsi/Mmucd*

RRID:MMRRC_049846-UCD

Type: Organism

Proper Citation

RRID:MMRRC_049846-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=49846

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Description: Mus musculus with name C57BL/6N-*Spns2tm1a(KOMP)Wtsi/Mmucd* from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: increased bone mineral density [MP:0000062]| abnormal rib morphology [MP:0000150]| increased monocyte cell number [MP:0000220]| decreased leukocyte cell number [MP:0000221]| increased granulocyte number [MP:0000322]| microphthalmia [MP:0001297]| cataract [MP:0001304]| small lens [MP:0001306]| abnormal cornea morphology [MP:0001312]| increased incidence of corneal inflammation [MP:0001313]| corneal opacity [MP:0001314]| abnormal pupil morphology [MP:0001317]| abnormal iris morphology [MP:0001322]| abnormal eye pigmentation [MP:0001324]| abnormal retina morphology [MP:0001325]| excessive tearing [MP:0001349]| abnormal humoral immune response [MP:0001800]| decreased IgG level [MP:0001805]| abnormal eye morphology [MP:0002092]| increased susceptibility to bacterial infection [MP:0002412]| abnormal eye size [MP:0002697]| abnormal eyelid aperture [MP:0003671]| increased bone strength [MP:0004149]| abnormal iridocorneal angle [MP:0004221]| decreased lumbar vertebrae number [MP:0004647]| abnormal auditory brainstem response [MP:0004738]| abnormal behavior [MP:0004924]| decreased B-1 B cell number [MP:0004978]| decreased B cell number [MP:0005017]| decreased T cell number [MP:0005018]| abnormal ciliary body morphology [MP:0005099]| eyelids fail to open [MP:0005176]| narrow eye opening [MP:0005287]| abnormal corneal stroma morphology [MP:0005300]| increased circulating bilirubin level [MP:0005344]| corneal vascularization [MP:0005542]| decreased circulating glucose level [MP:0005560]| absent pinna reflex [MP:0006358]| increased NK T cell number [MP:0008039]| increased NK cell number [MP:0008044]| increased CD4-positive [MP:0008074]| alpha beta T cell number [MP:0008075]| decreased CD4-positive

[MP:0008078]| alpha beta T cell number [MP:0008079]| increased CD8-positive
[MP:0008174]| alpha-beta T cell number [MP:0008211]| decreased CD8-positive
[MP:0008495]| alpha-beta T cell number [MP:0009859]| decreased follicular B cell number
[MP:0010101]| decreased mature B cell number [MP:0010123]

Affected Gene: Spns2

Catalog Number: 049846-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](https://pubmed.ncbi.nlm.nih.gov/21677750/)

Alternate IDs: MMRRC_49846-UCD, MMRRC_049846, MMRRC_49846

Organism Name: C57BL/6N-*Spns2tm1a(KOMP)Wtsi*/Mmucd

Record Creation Time: 20230308T055307+0000

Record Last Update: 20260912T135149+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-*Spns2tm1a(KOMP)Wtsi*/Mmucd.

No alerts have been found for C57BL/6N-*Spns2tm1a(KOMP)Wtsi*/Mmucd.

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.