

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

[Rnf8^{Gt\(AS0574\)Wtsi}/Rnf8^{Gt\(AS0574\)Wtsi}](#)

RRID:MGI:4459433

Type: Organism

Proper Citation

RRID:MGI:4459433

Organism Information

URL:

Proper Citation: RRID:MGI:4459433

Description: Allele Detail: Gene trapped This is a legacy resource.

Species: *Mus musculus*

Notes: Allele Detail: Gene trapped This is a legacy resource.

Phenotype: decreased immature B cell number, spontaneous chromosome breakage, decreased IgG1 level, decreased splenocyte number, decreased thymocyte number, abnormal seminiferous tubule epithelium morphology, abnormal class switch recombination, increased cellular sensitivity to gamma-irradiation, seminiferous tubule degeneration, increased mortality induced by gamma-irradiation, increased thymocyte apoptosis, increased sarcoma incidence, reduced male fertility, premature death, postnatal growth retardation, oligozoospermia, increased mammary adenocarcinoma incidence, increased lymphoma incidence, decreased IgG3 level, small testis, increased skin tumor incidence, decreased IgG2b level, decreased body size, decreased T cell number, induced chromosome breakage, decreased CD8-positive, alpha-beta T cell number, decreased CD4-positive, alpha beta T cell number, increased T cell derived lymphoma incidence, decreased B cell number, azoospermia, abnormal spermatogonia morphology, decreased bone marrow cell number, decreased fibroblast proliferation, decreased body weight, abnormal spermatogenesis, abnormal spermatocyte morphology, decreased double-negative T cell number, decreased double-positive T cell number, decreased litter size, decreased pre-B cell number, decreased pro-B cell number

Affected Gene: *Rnf8*

Genomic Alteration: *Gt(AS0574)Wtsi*

Catalog Number: 4459433

Background: involves: 129P2/OlaHsd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20385750](#)

Organism Name: Rnf8^{Gt(AS0574)Wtsi}/Rnf8^{Gt(AS0574)Wtsi}

Record Creation Time: 20240120T190255+0000

Record Last Update: 20240130T201901+0000

Ratings and Alerts

No rating or validation information has been found for Rnf8^{Gt(AS0574)Wtsi}/Rnf8^{Gt(AS0574)Wtsi}.

No alerts have been found for Rnf8^{Gt(AS0574)Wtsi}/Rnf8^{Gt(AS0574)Wtsi}.

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.