

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 31, 2026

[Gnai2^{tm1Lbi}/Gnai2^{tm1Lbi}](#)

RRID:MGI:3047403

Type: Organism

Proper Citation

RRID:MGI:3047403

Organism Information

URL:

Proper Citation: RRID:MGI:3047403

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

Species: Mus musculus

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

Phenotype: abnormal colon morphology, abnormal immune system physiology, weight loss, abnormal immune system morphology, increased interferon-gamma secretion, increased single-positive T cell number, abnormal digestive system physiology, lethality during fetal growth through weaning, complete penetrance, increased intestinal adenocarcinoma incidence, abnormal colon morphology, colitis, increased T cell proliferation, increased T cell number, increased granulocyte number, abnormal cytokine secretion, increased circulating interleukin-5 level, abnormal neutrophil physiology, increased circulating interferon-gamma level, increased circulating interleukin-4 level, increased immunoglobulin level, intestinal ulcer, increased tumor necrosis factor secretion, increased susceptibility to parasitic infection, abnormal cytokine level, megacolon, peritoneal inflammation, increased inflammatory response, premature death, postnatal growth retardation, increased interleukin-2 secretion, increased physiological sensitivity to xenobiotic, abnormal large intestine morphology, abnormal response/metabolism to endogenous compounds, decreased body weight, decreased physiological sensitivity to xenobiotic, increased IgA level, increased IgG level, abnormal large intestine crypts of Lieberkuhn morphology, large intestinal inflammation

Affected Gene: Gnai2

Genomic Alteration: tm1Lbi

Catalog Number: 3047403

Background: involves: 129S7/SvEvBrd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:8613481](#), [PMID:17242370](#), [PMID:7663509](#)

Organism Name: Gnai2^{tm1Lbi}/Gnai2^{tm1Lbi}

Record Creation Time: 20240120T190654+0000

Record Last Update: 20240130T202036+0000

Ratings and Alerts

No rating or validation information has been found for Gnai2^{tm1Lbi}/Gnai2^{tm1Lbi}.

No alerts have been found for Gnai2^{tm1Lbi}/Gnai2^{tm1Lbi}.

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.