

Resource Summary Report

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129S7-Gnai2^{tm1Lbi}/Mmmh

RRID:MMRRC_037337-MU

Type: Organism

Proper Citation

RRID:MMRRC_037337-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37337

Proper Citation: RRID:MMRRC_037337-MU

Description: Mus musculus with name 129S7-Gnai2^{tm1Lbi}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Cardiovascular, Cell Biology, Dermatology, Developmental Biology, Diabetes, Endocrine Deficiency, Hematology, Immunology and Inflammation, Metabolism, Models for Human Disease, Neurobiology, Obesity, Reproduction, Research Tools, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: rib fusion [MP:0000154] abnormal leukocyte cell number [MP:0000217] increased neutrophil cell number [MP:0000219] increased monocyte cell number [MP:0000220] increased granulocyte number [MP:0000322] abnormal large intestine morphology [MP:0000489] rectal prolapse [MP:0000493] abnormal colon morphology [MP:0000495] intestinal ulcer [MP:0000512] abnormal liver morphology [MP:0000598] abnormal immune system morphology [MP:0000685] increased thymocyte number [MP:0000714] weakness [MP:0000746] decreased body weight [MP:0001262] weight loss [MP:0001263] cyanosis [MP:0001575] abnormal digestive system physiology [MP:0001663] chronic diarrhea [MP:0001665] postnatal growth retardation [MP:0001732] abnormal immune system physiology [MP:0001790] increased inflammatory response [MP:0001846] respiratory distress [MP:0001954] premature death [MP:0002083] abnormal T cell physiology [MP:0002444] increased immunoglobulin level [MP:0002461] abnormal neutrophil physiology [MP:0002463] abnormal eosinophil physiology [MP:0002465] increased IgG level [MP:0002493] increased IgM level [MP:0002494] increased IgA level [MP:0002495] megacolon [MP:0002731] colitis [MP:0002816] increased heart weight [MP:0002833] fatigue [MP:0002899] increased intestinal adenocarcinoma incidence [MP:0002957] abnormal cytokine secretion [MP:0003009] peritoneal inflammation [MP:0003303] large intestinal inflammation

[MP:0003304] abnormal leukocyte adhesion [MP:0003628] abnormal response/metabolism to endogenous compounds [MP:0003638] pulmonary edema [MP:0003828] abnormal large intestine crypts of Lieberkuhn morphology [MP:0004842] dilated heart [MP:0004937] increased eosinophil cell number [MP:0005011] decreased eosinophil cell number [MP:0005012] increased lymphocyte cell number [MP:0005013] increased T cell number [MP:0005015] increased susceptibility to parasitic infection [MP:0005027] ascites [MP:0005324] increased T cell proliferation [MP:0005348] increased single-positive T cell number [MP:0008082] abnormal sternocostal joint morphology [MP:0008148] increased tumor necrosis factor secretion [MP:0008560] increased interferon-gamma secretion [MP:0008566] increased circulating interferon-gamma level [MP:0008577] increased circulating interleukin-4 level [MP:0008602] increased circulating interleukin-5 level [MP:0008626] increased interleukin-1 beta secretion [MP:0008657] increased interleukin-2 secretion [MP:0008687] abnormal cytokine level [MP:0008713] increased physiological sensitivity to xenobiotic [MP:0008873] decreased physiological sensitivity to xenobiotic [MP:0008874] decreased birth body size [MP:0009703] abnormal cellular extravasation [MP:0009858] postnatal lethality [MP:0011085] complete penetrance [MP:0011086] postnatal lethality [MP:0011102] incomplete penetrance [MP:0011111]

Affected Gene: *Gnai2*

Catalog Number: 037337-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:7663509](https://pubmed.ncbi.nlm.nih.gov/7663509/)

Alternate IDs: MMRRC_37337-MU, MMRRC_037337, MMRRC_37337

Organism Name: 129S7-*Gnai2*^{tm1Lbi}/Mmmh

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260808T124115+0000

Ratings and Alerts

No rating or validation information has been found for 129S7-*Gnai2*^{tm1Lbi}/Mmmh.

No alerts have been found for 129S7-*Gnai2*^{tm1Lbi}/Mmmh.

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.