

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

STOCK *Gnat1*^{*tm1Clna*} Tg(Rho-Gnat1*G38D)1Noa/Mmmh

RRID:MMRRC_030021-MU

Type: Organism

Proper Citation

RRID:MMRRC_030021-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30021

Proper Citation: RRID:MMRRC_030021-MU

Description: Mus musculus with name STOCK *Gnat1*^{*tm1Clna*} Tg(Rho-Gnat1*G38D)1Noa/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Models for Human Disease, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: retinal degeneration [MP:0001326]| miotic pupils [MP:0002003]| abnormal pupillary reflex [MP:0002638]| abnormal rod electrophysiology [MP:0004021]| abnormal cone electrophysiology [MP:0004022]| abnormal umami taste sensitivity [MP:0004213]| abnormal eye physiology [MP:0005253]| abnormal somatic nervous system physiology [MP:0005423]| abnormal eye electrophysiology [MP:0005551]| abnormal retinal neuronal layer morphology [MP:0006069]| retinal photoreceptor degeneration [MP:0008450]| abnormal retinal rod cell outer segment morphology [MP:0008456]| thin retinal inner nuclear layer [MP:0008511]| thin retinal outer nuclear layer [MP:0008515]| lipofuscinosis [MP:0008842]| shortened circadian behavior period [MP:0020470]| abnormal circadian behavior entrainment [MP:0020476]

Affected Gene: |Gnat1||Rho|Gnat1

Catalog Number: 030021-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:16793893](#), [PMID:11095744](#)

Alternate IDs: MMRRC_30021-MU, MMRRC_030021, MMRRC_321

Organism Name: STOCK *Gnat1^{tm1Clma}* Tg(Rho-Gnat1*G38D)1Noa/Mmmh

Record Creation Time: 20230308T055118+0000

Record Last Update: 20260815T124543+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Gnat1^{tm1Clma}* Tg(Rho-Gnat1*G38D)1Noa/Mmmh.

No alerts have been found for STOCK *Gnat1^{tm1Clma}* Tg(Rho-Gnat1*G38D)1Noa/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.