

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

B6.129S1(Cg)-Rai1^{tm2.1Luo}/J

RRID:IMSR_JAX:029103

Type: Organism

Proper Citation

RRID:IMSR_JAX:029103

Organism Information

URL: <https://www.jax.org/strain/029103>

Proper Citation: RRID:IMSR_JAX:029103

Description: Mus musculus with name B6.129S1(Cg)-Rai1^{tm2.1Luo}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129(Cg)-Rai1/J

Notes: gene symbol note: retinoic acid induced 1; mutant strain|congenic strain: Rai1

Affected Gene: retinoic acid induced 1

Genomic Alteration: targeted mutation 2.1; Liquun Luo

Catalog Number: JAX:029103

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S1(Cg)-Rai1^{tm2.1Luo}/J

Record Creation Time: 20250513T053807+0000

Record Last Update: 20260905T044544+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1(Cg)-Rai1^{tm2.1Luo}/J.

No alerts have been found for B6.129S1(Cg)-Rai1^{tm2.1Luo}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Javed S, et al. (2023) Smith-Magenis syndrome protein RAI1 regulates body weight homeostasis through hypothalamic BDNF-producing neurons and neurotrophin downstream signalling. eLife, 12.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.