Resource Summary Report

Generated by RRID on Aug 3, 2026

B6.129S4-*Gcdh*^{tm1Dmk}/Mmnc

RRID:MMRRC_034368-UNC
Type: Organism

Proper Citation

RRID:MMRRC_034368-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34368

Proper Citation: RRID:MMRRC_034368-UNC

Description: Mus musculus with name B6.129S4-*Gcdh*^{tm1Dmk}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: impaired coordination [MP:0001405]| impaired righting response [MP:0001523]| neurodegeneration [MP:0002229]| glutaricadicuria [MP:0002931]| enlarged kidney [MP:0003068]

Affected Gene: Gcdh

Catalog Number: 034368-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:11854167, PMID:15505386

Alternate IDs: MMRRC_34368-UNC, MMRRC_034368, MMRRC_34368

Organism Name: B6.129S4-*Gcdh*^{tm1Dmk}/Mmnc

Record Creation Time: 20230308T055132+0000

Record Last Update: 20260801T124303+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-*Gcdh*^{tm1Dmk}/Mmnc.

No alerts have been found for B6.129S4-*Gcdh*^{tm1Dmk}/Mmnc.

Data and Source Information

Source: Integrated Animals

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Segur-Bailach E, et al. (2025) Therapeutic AASS inhibition by AAV-miRNA rescues glutaric aciduria type I severe phenotype in mice. Molecular therapy : the journal of the American Society of Gene Therapy.

Bhatt DP, et al. (2022) Deglutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice. The Journal of biological chemistry, 298(4), 101723.

Wagner GR, et al. (2017) A Class of Reactive Acyl-CoA Species Reveals the Non-enzymatic Origins of Protein Acylation. Cell metabolism, 25(4), 823.