Resource Summary Report

Generated by NIF on Aug 26, 2026

B6.129P2-*Adipor1*^{tm1Dgen}/Mmnc

RRID:MMRRC_011599-UNC
Type: Organism

Proper Citation

RRID:MMRRC_011599-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11599

Proper Citation: RRID:MMRRC_011599-UNC

Description: Mus musculus with name B6.129P2-*Adipor1*^{tm1Dgen}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: Deltagen

Phenotype: increased brown adipose tissue amount [MP:0000005]| increased white adipose tissue amount [MP:0000008]| hypoactivity [MP:0001402]| abnormal lipid homeostasis [MP:0002118]| no abnormal phenotype detected [MP:0002169]| decreased energy expenditure [MP:0004890]| decreased adiponectin level [MP:0004893]| increased circulating cholesterol level [MP:0005178]| impaired glucose tolerance [MP:0005293]| increased susceptibility to weight gain [MP:0005455]| increased percent body fat/body weight [MP:0005458]| increased circulating leptin level [MP:0005669]| increased liver triglyceride level [MP:0009355]| abnormal adaptive thermogenesis [MP:0011019]| impaired adaptive thermogenesis [MP:0011049]

Affected Gene: Adipor1

Catalog Number: 011599-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11599-UNC, MMRRC_011599, MMRRC_11599

Organism Name: B6.129P2-*Adipor1*^{tm1Dgen}/Mmnc

Record Creation Time: 20230308T054912+0000

Record Last Update: 20260815T123308+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-*Adipor1*^{tm1Dgen}/Mmnc.

No alerts have been found for B6.129P2-*Adipor1*^{tm1Dgen}/Mmnc.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Gogna N, et al. (2025) A biometric survey of known and prospective murine models of posterior microphthalmia-nanophthalmia. Experimental eye research, 255, 110335.

Lin F, et al. (2025) Fat taste responsiveness, but not dietary fat intake, is affected in Adipor1 null mice. bioRxiv : the preprint server for biology.

Lindfors S, et al. (2025) Integrin Trafficking, Fibronectin Architecture, and Glomerular Injury upon Adiponectin Receptor 1 Depletion. Journal of the American Society of Nephrology : JASN, 36(5), 825.

Lewandowski D, et al. (2024) Restoring retinal polyunsaturated fatty acid balance and retina function by targeting ceramide in AdipoR1-deficient mice. The Journal of biological chemistry, 300(5), 107291.

Lin F, et al. (2024) Adiponectin Signaling Modulates Fat Taste Responsiveness in Mice. Nutrients, 16(21).

Lewandowski D, et al. (2022) Inhibition of ceramide accumulation in AdipoR1-/- mice increases photoreceptor survival and improves vision. JCI insight, 7(4).

Gogna N, et al. (2022) Genetic Interaction between Mfrp and Adipor1 Mutations Affect Retinal Disease Phenotypes. International journal of molecular sciences, 23(3).