

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

B6.129S1-Mrgprd^{tm5Mjz}/Mmnc

RRID:MMRRC_036050-UNC

Type: Organism

Proper Citation

RRID:MMRRC_036050-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36050

Proper Citation: RRID:MMRRC_036050-UNC

Description: Mus musculus with name B6.129S1-Mrgprd^{tm5Mjz}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: no abnormal phenotype detected [MP:0002169]

Affected Gene: Mrgprd

Catalog Number: 036050-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15629699](#)

Alternate IDs: MMRRC_36050-UNC, MMRRC_036050, MMRRC_365

Organism Name: B6.129S1-Mrgprd^{tm5Mjz}/Mmnc

Record Creation Time: 20230308T055143+0000

Record Last Update: 20260808T124103+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-*Mrgprd*^{tm5Mjz}/Mmnc.

No alerts have been found for B6.129S1-*Mrgprd*^{tm5Mjz}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Alexandre-Santos B, et al. (2026) Genetic deletion of MrgD receptor disrupts cardiac protein homeostasis in mice. *Molecular biology reports*, 53(1).

Oliveira LBF, et al. (2026) Mas-related G protein-coupled receptor type D deficiency promotes tubulointerstitial injury and fibrosis associated with proteinuria in male mice. *Physiological reports*, 14(5), e70815.

Cerri GC, et al. (2023) Brown adipose tissue transcriptome unveils an important role of the Beta-alanine/alamandine receptor, MrgD, in metabolism. *The Journal of nutritional biochemistry*, 114, 109268.

Marins FR, et al. (2021) Alamandine but not angiotensin-(1-7) produces cardiovascular effects at the rostral insular cortex. *American journal of physiology. Regulatory, integrative and comparative physiology*, 321(3), R513.

Zhu P, et al. (2020) Expression and Function of Mas-Related G Protein-Coupled Receptor D and Its Ligand Alamandine in Retina. *Molecular neurobiology*, 57(1), 513.

Oliveira AC, et al. (2019) Genetic deletion of the alamandine receptor MRGD leads to dilated cardiomyopathy in mice. *American journal of physiology. Heart and circulatory physiology*, 316(1), H123.