

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

B6;129-Areg^{tm1Dle}/Mmnc

RRID:MMRRC_011533-UNC

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11533

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Description: Mus musculus with name B6;129-Areg^{tm1Dle}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Developmental Biology, Immunology and Inflammation, Internal/Organ, Models for Human Disease, Neurobiology, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: waved hair [MP:0000410]| alopecia [MP:0000414]| abnormal small intestine morphology [MP:0000496]| abnormal branching of the mammary ductal tree [MP:0000662]| dermatitis [MP:0001194]| spontaneous skin ulceration [MP:0001209]| decreased body weight [MP:0001262]| weight loss [MP:0001263]| curly vibrissae [MP:0001274]| microphthalmia [MP:0001297]| eyelids open at birth [MP:0001302]| corneal opacity [MP:0001314]| postnatal growth retardation [MP:0001732]| duodenal lesions [MP:0002580]| abnormal ileum morphology [MP:0002581]| abnormal intestinal goblet cell morphology [MP:0003449]| abnormal small intestine crypts of Lieberkuhn morphology [MP:0004841]| abnormal mammary gland growth during pregnancy [MP:0006269]| hypolactation [MP:0013716]

Affected Gene: Areg

Catalog Number: 011533-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10331984](#), [PMID:16079154](#), [PMID:15685553](#)

Alternate IDs: MMRRC_11533-UNC, MMRRC_011533, MMRRC_11533

Organism Name: B6;129-*Areg*^{tm1Dle}/Mmnc

Record Creation Time: 20230308T054911+0000

Record Last Update: 20260801T123555+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-*Areg*^{tm1Dle}/Mmnc.

No alerts have been found for B6;129-*Areg*^{tm1Dle}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Ruan W, et al. (2025) BMAL1-HIF2A heterodimer modulates circadian variations of myocardial injury. *Nature*, 641(8064), 1017.

Ruan W, et al. (2024) The BMAL1/HIF2A heterodimer modulates circadian variations of myocardial injury. *Research square*.