

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

B6N.129P2(Cg)-Ppp1r15a^{tm1.1Ajf}/Mmnc

RRID:MMRRC_030266-UNC

Type: Organism

Proper Citation

RRID:MMRRC_030266-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30266

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Description: Mus musculus with name B6N.129P2(Cg)-Ppp1r15a^{tm1.1Ajf}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Hematology, Models for Human Disease; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal erythropoiesis [MP:0000245] abnormal erythrocyte morphology [MP:0002447] decreased mean corpuscular volume [MP:0002591] anisopoikilocytosis [MP:0002641] microcytosis [MP:0002813] decreased hemoglobin content [MP:0002874] abnormal erythrocyte osmotic lysis [MP:0003657] increased spleen weight [MP:0004952] decreased mean corpuscular hemoglobin [MP:0005562] abnormal splenic cell ratio [MP:0008826] leptocytosis [MP:0010175] acanthocytosis [MP:0010177] increased number of Howell-Jolly bodies [MP:0010178]

Affected Gene: Ppp1r15a

Catalog Number: 030266-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:16478986](#), [PMID:12813455](#), [PMID:11241327](#)

Alternate IDs: MMRRC_30266-UNC, MMRRC_030266, MMRRC_3266

Organism Name: B6N.129P2(Cg)-*Ppp1r15a*^{tm1.1A⁺}/Mmnc

Record Creation Time: 20230308T055119+0000

Record Last Update: 20260815T124532+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129P2(Cg)-*Ppp1r15a*^{tm1.1A⁺}/Mmnc.

No alerts have been found for B6N.129P2(Cg)-*Ppp1r15a*^{tm1.1A⁺}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Oliveira MM, et al. (2025) Neuron type-specific mRNA translation programs provide a gateway for memory consolidation. bioRxiv : the preprint server for biology.

Monkley S, et al. (2021) Sensitization of the UPR by loss of PPP1R15A promotes fibrosis and senescence in IPF. Scientific reports, 11(1), 21584.

Krzyzosiak A, et al. (2018) Target-Based Discovery of an Inhibitor of the Regulatory Phosphatase PPP1R15B. Cell, 174(5), 1216.

Ohri SS, et al. (2014) Inhibition of GADD34, the stress-inducible regulatory subunit of the endoplasmic reticulum stress response, does not enhance functional recovery after spinal cord injury. PloS one, 9(11), e109703.

Ohri SS, et al. (2013) Restoring endoplasmic reticulum homeostasis improves functional recovery after spinal cord injury. Neurobiology of disease, 58, 29.