

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

B6N.129P2-Pde4b^{tm1Mct}/Mmucd

RRID:MMRRC_034682-UCD

Type: Organism

Proper Citation

RRID:MMRRC_034682-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34682

Proper Citation: RRID:MMRRC_034682-UCD

Description: Mus musculus with name B6N.129P2-Pde4b^{tm1Mct}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Diabetes, Immunology and Inflammation, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased tumor necrosis factor secretion [MP:0008561]| impaired neutrophil recruitment [MP:0008719]| impaired neutrophil chemotaxis [MP:0008720]| decreased sensitivity to induced morbidity/mortality [MP:0009764]| neonatal lethality [MP:0011087]

Affected Gene: Pde4b

Catalog Number: 034682-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:12032334](#), [PMID:16034090](#), [PMID:19359377](#)

Alternate IDs: MMRRC_34682-UCD, MMRRC_034682, MMRRC_34682

Organism Name: B6N.129P2-Pde4b^{tm1Mct}/Mmucd

Record Creation Time: 20230308T055134+0000

Record Last Update: 20260801T124307+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129P2-*Pde4b*^{tm1Mct}/Mmucd.

No alerts have been found for B6N.129P2-*Pde4b*^{tm1Mct}/Mmucd.

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](#) .

Boyd A, et al. (2021) The cAMP-phosphodiesterase 4 (PDE4) controls ??-adrenoceptor- and CFTR-dependent saliva secretion in mice. The Biochemical journal, 478(10), 1891.

McDonough W, et al. (2020) PAN-selective inhibition of cAMP-phosphodiesterase 4 (PDE4) induces gastroparesis in mice. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(9), 12533.