

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

[Prkdc^{tm1.1Bpcc}/Prkdc^{tm1.1Bpcc}](#)

RRID:MGI:4950418

Type: Organism

Proper Citation

RRID:MGI:4950418

Organism Information

URL:

Proper Citation: RRID:MGI:4950418

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: premature death, slow postnatal weight gain, decreased erythrocyte cell number, decreased double-positive T cell number, increased sensitivity to induced cell death, pallor, increased cellular sensitivity to alkylating agents, increased small intestinal crypt cell apoptosis, decreased CD4-positive, alpha beta T cell number, decreased CD8-positive, alpha-beta T cell number, decreased T cell number, decreased leukocyte cell number, thrombocytopenia, pancytopenia, abnormal DNA repair, decreased double-negative T cell number, postnatal lethality, incomplete penetrance, increased cellular sensitivity to ionizing radiation, decreased granulocyte number, arrested B cell differentiation, small lymphoid organs, increased cellular sensitivity to ultraviolet irradiation, increased mortality induced by ionizing radiation, decreased macrophage cell number, decreased gamma-delta T cell number, decreased hematopoietic stem cell number, decreased bone marrow cell number, abnormal immunoglobulin V(D)J recombination, hyperpigmentation, abnormal hematopoietic stem cell physiology, decreased lymphocyte cell number, decreased mature B cell number

Affected Gene: Prkdc

Genomic Alteration: tm1.1Bpcc

Catalog Number: 4950418

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21482716](#)

Organism Name: Prkdc^{tm1.1Bpcc}/Prkdc^{tm1.1Bpcc}

Record Creation Time: 20240120T190224+0000

Record Last Update: 20240130T201803+0000

Ratings and Alerts

No rating or validation information has been found for Prkdc^{tm1.1Bpcc}/Prkdc^{tm1.1Bpcc}.

No alerts have been found for Prkdc^{tm1.1Bpcc}/Prkdc^{tm1.1Bpcc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.