

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

Tg(Pcna*K164R)1Mdsc; Pcna^{tm1.1Mdsc}/Pcna^{tm1.1Mdsc}

RRID:MGI:3817411

Type: Organism

Proper Citation

RRID:MGI:3817411

Organism Information

URL:

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

Species: Mus musculus

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

Phenotype: mortality/aging, abnormal class switch recombination, abnormal somatic hypermutation frequency, abnormal meiosis, small testis, infertility, arrest of spermatogenesis

Affected Gene: Pcna

Genomic Alteration: tm1.1Mdsc, Tg(Pcna*K164R)1Mdsc

Catalog Number: 3817411

Background: involves: FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18854411](#)

Organism Name: Tg(Pcna*K164R)1Mdsc; Pcna^{tm1.1Mdsc}/Pcna^{tm1.1Mdsc}

Record Creation Time: 20240120T190409+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Pcna*K164R)1Mdsc; Pcna^{tm1.1Mdsc}/Pcna^{tm1.1Mdsc}.

No alerts have been found for Tg(Pcna*K164R)1Mdsc; Pcna^{tm1.1Mdsc}/Pcna^{tm1.1Mdsc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Krijger PH, et al. (2009) Dependence of nucleotide substitutions on Ung2, Msh2, and PCNA-Ub during somatic hypermutation. The Journal of experimental medicine, 206(12), 2603.

Langerak P, et al. (2007) A/T mutagenesis in hypermutated immunoglobulin genes strongly depends on PCNAK164 modification. The Journal of experimental medicine, 204(8), 1989.