

# Resource Summary Report

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## Tg(Pcna\*K164R)1Mdsc; Pcna<sup>tm1.1Mdsc</sup>/Pcna<sup>tm1.1Mdsc</sup>

RRID:MGI:3817411

Type: Organism

### Proper Citation

RRID:MGI:3817411

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3817411

**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<sup>tm1.1Mdsc</sup>/Pcna<sup>tm1.1Mdsc</sup>

**Record Creation Time:** 20240120T190409+0000

## Ratings and Alerts

No rating or validation information has been found for Tg(Pcna\*K164R)1Mdsc; Pcna<sup>tm1.1Mdsc</sup>/Pcna<sup>tm1.1Mdsc</sup>.

No alerts have been found for Tg(Pcna\*K164R)1Mdsc; Pcna<sup>tm1.1Mdsc</sup>/Pcna<sup>tm1.1Mdsc</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#).

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.