

# Resource Summary Report

Generated by [T1D](#) on Sep 18, 2026

## [Sp4<sup>tm3\(Sp4\)</sup>Krc/Sp4<sup>tm3\(Sp4\)</sup>Krc](#)

RRID:MGI:3713111

Type: Organism

### Proper Citation

RRID:MGI:3713111

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3713111

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

**Species:** Mus musculus

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

**Phenotype:** impaired cued conditioning behavior, reduced long term potentiation, abnormal spatial reference memory, impaired spatial learning, hyperactivity, impaired passive avoidance behavior, impaired coordination, abnormal hippocampus morphology, abnormal locomotor behavior, abnormal startle reflex, gliosis, reduced sensorimotor gating, decreased exploration in new environment, decreased vertical activity, impaired contextual conditioning behavior, cardiovascular system phenotype, abnormal dentate gyrus morphology

**Affected Gene:** Sp4

**Genomic Alteration:** tm3(Sp4)Krc

**Catalog Number:** 3713111

**Background:** involves: 129S1/Sv \* 129X1/SvJ \* Black Swiss

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

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:15558077](#), [PMID:20634195](#)

**Organism Name:** Sp4<sup>tm3</sup>(Sp4)Krc/Sp4<sup>tm3</sup>(Sp4)Krc

**Record Creation Time:** 20240120T190519+0000

**Record Last Update:** 20240130T201941+0000

---

## Ratings and Alerts

No rating or validation information has been found for Sp4<sup>tm3</sup>(Sp4)Krc/Sp4<sup>tm3</sup>(Sp4)Krc.

No alerts have been found for Sp4<sup>tm3</sup>(Sp4)Krc/Sp4<sup>tm3</sup>(Sp4)Krc.

---

## 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.