

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

[Sp4^{tm3\(Sp4\)}Krc](#)/[Sp4^{tm3\(Sp4\)}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^{tm3}(Sp4)Krc/Sp4^{tm3}(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^{tm3}(Sp4)Krc/Sp4^{tm3}(Sp4)Krc.

No alerts have been found for Sp4^{tm3}(Sp4)Krc/Sp4^{tm3}(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.