

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

129/Sv-Sp4^{tm3(Sp4)}Krc/Mmnc

RRID:MMRRC_043505-UNC

Type: Organism

Proper Citation

RRID:MMRRC_043505-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=43505

Proper Citation: RRID:MMRRC_043505-UNC

Description: Mus musculus with name 129/Sv-Sp4^{tm3(Sp4)}Krc/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal hippocampus morphology [MP:0000807] abnormal dentate gyrus morphology [MP:0000812] abnormal locomotor behavior [MP:0001392] hyperactivity [MP:0001399] impaired coordination [MP:0001405] decreased exploration in new environment [MP:0001417] reduced long term potentiation [MP:0001473] abnormal startle reflex [MP:0001486] gliosis [MP:0002183] reduced sensorimotor gating [MP:0002635] decreased vertical activity [MP:0002757] impaired passive avoidance behavior [MP:0004000] abnormal spatial reference memory [MP:0008414] impaired contextual conditioning behavior [MP:0009454] impaired cued conditioning behavior [MP:0009456] impaired spatial learning [MP:0012307]

Affected Gene: Sp4

Catalog Number: 043505-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_43505-UNC, MMRRC_043505, MMRRC_4355

Organism Name: 129/Sv-Sp4^{tm3(Sp4)}Krc/Mmnc

Record Creation Time: 20230308T055233+0000

Record Last Update: 20260801T124553+0000

Ratings and Alerts

No rating or validation information has been found for 129/Sv-*Sp4^{tm3(Sp4)Krc}*/Mmnc.

No alerts have been found for 129/Sv-*Sp4^{tm3(Sp4)Krc}*/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.