

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

B6.129S6-Nfia^{tm1Rmg}/Mmnc

RRID:MMRRC_010318-UNC

Type: Organism

Proper Citation

RRID:MMRRC_010318-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10318

Proper Citation: RRID:MMRRC_010318-UNC

Description: Mus musculus with name B6.129S6-Nfia^{tm1Rmg}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: hydronephrosis [MP:0000519]| absent kidney [MP:0000520]| tremors [MP:0000745]| abnormal corpus callosum morphology [MP:0000780]| abnormal hippocampus morphology [MP:0000807]| dilated lateral ventricles [MP:0000825]| dilated third ventricle [MP:0000827]| abnormal cerebellar foliation [MP:0000857]| abnormal cerebellar molecular layer [MP:0000889]| decreased body size [MP:0001265]| hydrocephaly [MP:0001891]| reduced female fertility [MP:0001923]| male infertility [MP:0001925]| premature death [MP:0002083]| abnormal kidney morphology [MP:0002135]| absent corpus callosum [MP:0002196]| dilated renal tubules [MP:0002705]| dilated ureter [MP:0003586]| abnormal glial cell morphology [MP:0003634]| abnormal axon extension [MP:0003651]| abnormal ureter development [MP:0003672]| kidney cysts [MP:0003675]| maternal effect [MP:0003718]| duplex kidney [MP:0004017]| abnormal cerebellar granule cell morphology [MP:0004098]| abnormal hippocampal commissure morphology [MP:0008221]| postnatal lethality [MP:0011086]| incomplete penetrance [MP:0011488]| abnormal ureterovesical junction morphology [MP:0011493]| double ureter [MP:0011495]| abnormal head shape [MP:0012545]

Affected Gene: Nfia

Catalog Number: 010318-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10518556](#), [PMID:12514217](#)

Alternate IDs: MMRRC_10318-UNC, MMRRC_010318, MMRRC_1318

Organism Name: B6.129S6-*Nfia*^{tm1Rmg}/Mmnc

Record Creation Time: 20230308T054904+0000

Record Last Update: 20260919T133236+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-*Nfia*^{tm1Rmg}/Mmnc.

No alerts have been found for B6.129S6-*Nfia*^{tm1Rmg}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Romanov RA, et al. (2020) Molecular design of hypothalamus development. Nature, 582(7811), 246.

Hiraike Y, et al. (2017) NFIA co-localizes with PPAR?? and transcriptionally controls the brown fat gene program. Nature cell biology, 19(9), 1081.