

Resource Summary Report

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

B6.129-Kif3a^{tm2Gsn}/Mmucd

RRID:MMRRC_000135-UCD

Type: Organism

Proper Citation

RRID:MMRRC_000135-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=135

Proper Citation: RRID:MMRRC_000135-UCD

Description: Mus musculus with name B6.129-Kif3a^{tm2Gsn}/Mmucd from MMRRC.

Species: Mus musculus

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

Phenotype: short mandible [MP:0000088] abnormal nasal bone morphology [MP:0000102] abnormal basisphenoid bone morphology [MP:0000106] abnormal frontal bone morphology [MP:0000107] abnormal long bone epiphysis morphology [MP:0000131] abnormal rib morphology [MP:0000150] abnormal long bone hypertrophic chondrocyte zone [MP:0000165] abnormal chondrocyte morphology [MP:0000166] abnormal cranium morphology [MP:0000438] abnormal maxilla morphology [MP:0000455] kidney cortex cysts [MP:0000522] short limbs [MP:0000547] polydactyly [MP:0000562] decreased body size [MP:0001265] ocular hypertelorism [MP:0001300] postnatal growth retardation [MP:0001732] abnormal craniofacial bone morphology [MP:0002116] abnormal brain morphology [MP:0002152] absent corpus callosum [MP:0002196] abnormal nasal septum morphology [MP:0002239] disproportionate dwarf [MP:0002427] abnormal premaxilla morphology [MP:0002820] abnormal long bone epiphyseal plate morphology [MP:0003055] enlarged kidney [MP:0003068] renal interstitial fibrosis [MP:0003215] kidney failure [MP:0003606] abnormal long bone epiphyseal plate proliferative zone [MP:0003662] kidney cysts [MP:0003675] abnormal craniofacial development [MP:0003935] thoracic vertebral fusion [MP:0004623] decreased length of long bones [MP:0004686] absent mandibular condyloid process [MP:0004911] lethargy [MP:0005202] abnormal palatine bone morphology [MP:0005249] spina bifida occulta [MP:0005297] increased blood urea nitrogen level [MP:0005565] abnormal limb bud morphology [MP:0005650] decreased long bone epiphyseal plate size [MP:0006396] disorganized long bone epiphyseal plate

[MP:0006397] abnormal endochondral bone ossification [MP:0008272] polycystic kidney [MP:0008528] cleft secondary palate [MP:0009890] abnormal basicranium morphology [MP:0010029] kidney medulla cysts [MP:0011307] renal tubule atrophy [MP:0011346] increased kidney apoptosis [MP:0011368] abnormal cranial neural crest cell morphology [MP:0012754] increased cranial neural crest cell proliferation [MP:0012759] abnormal cell cytoskeleton morphology [MP:0020378] absent kidney epithelial cell primary cilium [MP:0020384] broad frontonasal prominence [MP:0030251] absent mandibular ramus [MP:0030269] anterior cranium occultum [MP:0030276]

Affected Gene: Kif3a

Catalog Number: 000135-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10943838](https://pubmed.ncbi.nlm.nih.gov/10943838/)

Alternate IDs: MMRRC_135-UCD, MMRRC_000135, MMRRC_135

Organism Name: B6.129-Kif3a^{tm2Gsn}/Mmucd

Record Creation Time: 20230308T054750+0000

Record Last Update: 20260801T123202+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Kif3a^{tm2Gsn}/Mmucd.

No alerts have been found for B6.129-Kif3a^{tm2Gsn}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Chen J, et al. (2022) Deletion of kif3a in CK19 positive cells leads to primary cilia loss, biliary cell proliferation and cystic liver lesions in TAA-treated mice. Biochimica et biophysica acta. Molecular basis of disease, 1868(4), 166335.