

Resource Summary Report

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B6;129S4-Neurod1^{tm1Jle}/Mmucd

RRID:MMRRC_000367-UCD

Type: Organism

Proper Citation

RRID:MMRRC_000367-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=367

Proper Citation: RRID:MMRRC_000367-UCD

Description: Mus musculus with name B6;129S4-Neurod1^{tm1Jle}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cell Biology, Developmental Biology, Diabetes, Endocrine Deficiency, Models for Human Disease, Neurobiology, Sensorineural; Mutation Type: Targeted Mutation ; Collection: BCBC-Beta Cell Biology Consortium

Phenotype: absent dentate gyrus [MP:0000814]| small cerebellum [MP:0000852]| abnormal cerebellar foliation [MP:0000857]| thin external granule cell layer [MP:0000873]| abnormal Purkinje cell morphology [MP:0000877]| decreased Purkinje cell number [MP:0000880]| abnormal cerebellar granule layer morphology [MP:0000886]| decreased sensory neuron number [MP:0000966]| abnormal sensory neuron innervation pattern [MP:0000968]| decreased body weight [MP:0001262]| decreased retinal photoreceptor cell number [MP:0001327]| abnormal optic nerve morphology [MP:0001330]| ataxia [MP:0001393]| abnormal motor coordination/balance [MP:0001516]| impaired balance [MP:0001525]| hyperglycemia [MP:0001559]| postnatal growth retardation [MP:0001732]| deafness [MP:0001967]| abnormal vestibular ganglion morphology [MP:0002856]| increased retinal ganglion cell number [MP:0002983]| absent cochlear ganglion [MP:0003146]| abnormal cochlear sensory epithelium morphology [MP:0003308]| reduced modiolus [MP:0003310]| abnormal vestibulocochlear ganglion morphology [MP:0003703]| abnormal retinal layer morphology [MP:0003727]| abnormal retinal photoreceptor layer morphology [MP:0003728]| abnormal retinal outer nuclear layer morphology [MP:0003731]| abnormal retinal inner nuclear layer morphology [MP:0003733]| absent endocochlear potential [MP:0004410]| abnormal amacrine cell morphology [MP:0005240]| abnormal retinal ganglion layer morphology [MP:0005241]| abnormal Muller cell morphology [MP:0005547]| abnormal horizontal cell morphology [MP:0006068]| abnormal retinal neuronal layer morphology [MP:0006069]| abnormal retinal apoptosis

[MP:0006072]| abnormal retinal bipolar cell morphology [MP:0006073]| absent amacrine cells [MP:0006095]| decreased retinal ganglion cell number [MP:0006309]| decreased amacrine cell number [MP:0008106]| decreased retinal cone cell number [MP:0008446]| thin retinal inner nuclear layer [MP:0008511]| disorganized retinal outer nuclear layer [MP:0008516]| abnormal neuron differentiation [MP:0009937]| postnatal lethality [MP:0011085]| complete penetrance [MP:0011089]| perinatal lethality [MP:0030005]

Affected Gene: Neurod1

Catalog Number: 000367-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10398678](#), [PMID:11152640](#)

Alternate IDs: MMRRC_367-UCD, MMRRC_000367, MMRRC_367

Organism Name: B6;129S4-*Neurod1*^{tm1Jle}/Mmucd

Record Creation Time: 20230308T054752+0000

Record Last Update: 20260808T123109+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-*Neurod1*^{tm1Jle}/Mmucd.

No alerts have been found for B6;129S4-*Neurod1*^{tm1Jle}/Mmucd.

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.