

Resource Summary Report

Generated by [dkNET](#) on Sep 17, 2026

B6;129P2-Uchl1^{tm1Dgen}/Mmnc

RRID:MMRRC_011642-UNC

Type: Organism

Proper Citation

RRID:MMRRC_011642-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11642

Proper Citation: RRID:MMRRC_011642-UNC

Description: Mus musculus with name B6;129P2-Uchl1^{tm1Dgen}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: Deltagen

Phenotype: kyphosis [MP:0000160]| hindlimb paralysis [MP:0000755]| forelimb paralysis [MP:0000756]| motor neuron degeneration [MP:0000938]| abnormal neuromuscular synapse morphology [MP:0001053]| weight loss [MP:0001263]| impaired coordination [MP:0001405]| abnormal gait [MP:0001406]| limb grasping [MP:0001513]| increased thermal nociceptive threshold [MP:0001973]| premature death [MP:0002083]| abnormal PNS synaptic transmission [MP:0002913]| abnormal endplate potential [MP:0002914]| increased synaptic depression [MP:0002916]| decreased paired-pulse facilitation [MP:0002920]| increased coping response [MP:0003063]| astrogliosis [MP:0003354]| decreased neurotransmitter release [MP:0003990]| abnormal miniature endplate potential [MP:0004835]| abnormal synaptic plasticity [MP:0004859]| axon degeneration [MP:0005405]| alpha-synuclein inclusion body [MP:0008493]| decreased grip strength [MP:0010053]

Affected Gene: Uchl1

Catalog Number: 011642-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11642-UNC, MMRRC_011642, MMRRC_11642

Organism Name: B6;129P2-*Uchl1*^{tm1Dgen}/Mmnc

Record Creation Time: 20230308T054912+0000

Record Last Update: 20260912T134241+0000

Ratings and Alerts

No rating or validation information has been found for B6;129P2-*Uchl1*^{tm1Dgen}/Mmnc.

No alerts have been found for B6;129P2-*Uchl1*^{tm1Dgen}/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 [dkNET](#) .

Luo J, et al. (2025) Genetic loss of *Uchl1* leads to female infertility by affecting oocyte quality and follicular development. *Molecular and cellular endocrinology*, 597, 112440.

Zlatic SA, et al. (2018) Rare Disease Mechanisms Identified by Genealogical Proteomics of Copper Homeostasis Mutant Pedigrees. *Cell systems*, 6(3), 368.