

Resource Summary Report

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

B6;129-*Stub1*^{tm1Cpat}/Mmnc

RRID:MMRRC_037422-UNC

Type: Organism

Proper Citation

RRID:MMRRC_037422-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37422

Proper Citation: RRID:MMRRC_037422-UNC

Description: Mus musculus with name B6;129-*Stub1*^{tm1Cpat}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cardiovascular, Dermatology, Diabetes, Endocrine Deficiency, Metabolism, Models for Human Disease, Neurobiology, Reproduction; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal cerebellum morphology [MP:0000849]| Purkinje cell degeneration [MP:0000876]| ataxia [MP:0001393]| impaired coordination [MP:0001405]| short stride length [MP:0001407]| abnormal response to new environment [MP:0001413]| decreased startle reflex [MP:0001489]| abnormal apoptosis [MP:0001648]| thymus hypoplasia [MP:0001823]| reduced fertility [MP:0001921]| thymus atrophy [MP:0003644]| abnormal muscle fiber morphology [MP:0004087]| abnormal sarcoplasmic reticulum morphology [MP:0004088]| decreased testis weight [MP:0004852]| decreased follicle stimulating hormone level [MP:0005130]| increased susceptibility to injury [MP:0005165]| increased urine potassium level [MP:0005619]| abnormal cell physiology [MP:0005621]| increased urine sodium level [MP:0006316]| increased urine osmolality [MP:0008055]| abnormal Purkinje cell dendrite morphology [MP:0008572]| abnormal skeletal muscle fiber type ratio [MP:0009409]| increased thymocyte apoptosis [MP:0009541]| postnatal lethality [MP:0011086]| incomplete penetrance [MP:0011090]| perinatal lethality [MP:0011459]| incomplete penetrance [MP:0011466]| increased urine chloride ion level [MP:0011470]| increased urine urea nitrogen level [MP:0011942]| increased urine creatinine level [MP:0012307]

Affected Gene: *Stub1*

Catalog Number: 037422-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14532117](#)

Alternate IDs: MMRRC_37422-UNC, MMRRC_037422, MMRRC_37422

Organism Name: B6;129-*Stub1*^{tm1Cpat}/Mmnc

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260801T124348+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-*Stub1*^{tm1Cpat}/Mmnc.

No alerts have been found for B6;129-*Stub1*^{tm1Cpat}/Mmnc.

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 [dkNET](#) .

Wu Q, et al. (2018) CHIP Regulates Aquaporin-2 Quality Control and Body Water Homeostasis. Journal of the American Society of Nephrology : JASN, 29(3), 936.