

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 24, 2025

B6;129S5-Slc17a5^{tm1Lex}/Mmnc

RRID:MMRRC_011668-UNC

Type: Organism

Proper Citation

RRID:MMRRC_011668-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11668

Proper Citation: RRID:MMRRC_011668-UNC

Description: Mus musculus with name B6;129S5-Slc17a5^{tm1Lex}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: abnormal cell morphology [MP:0000358]| tremors [MP:0000745]| weakness [MP:0000746]| abnormal corpus callosum morphology [MP:0000780]| abnormal myelination [MP:0000920]| demyelination [MP:0000921]| decreased oligodendrocyte progenitor number [MP:0000954]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| abnormal optic nerve morphology [MP:0001330]| abnormal locomotor behavior [MP:0001392]| abnormal gait [MP:0001406]| short stride length [MP:0001407]| decreased exploration in new environment [MP:0001417]| postnatal growth retardation [MP:0001732]| premature death [MP:0002083]| behavioral despair [MP:0002573]| abnormal neuron morphology [MP:0002882]| abnormal nervous system physiology [MP:0003633]| abnormal myelin sheath morphology [MP:0003871]| tonic-clonic seizures [MP:0003997]| abnormal optic tract morphology [MP:0004267]| abnormal brainstem morphology [MP:0005277]| impaired glucose tolerance [MP:0005293]| impaired hearing [MP:0006325]| brain vacuoles [MP:0008025]| environmentally induced seizures [MP:0009358]| postnatal lethality [MP:0011085]

Affected Gene: Slc17a5

Catalog Number: 011668-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11668-UNC, MMRRC_011668, MMRRC_11668

Organism Name: B6;129S5-*Slc17a5*^{tm1Lex}/Mmnc

Record Creation Time: 20230308T054912+0000

Record Last Update: 20250419T223003+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Slc17a5*^{tm1Lex}/Mmnc.

No alerts have been found for B6;129S5-*Slc17a5*^{tm1Lex}/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 [FDI Lab - SciCrunch.org](#).

Morland C, et al. (2013) Vesicular uptake and exocytosis of L-aspartate is independent of sialin. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 27(3), 1264.

Prolo LM, et al. (2009) The lysosomal sialic acid transporter sialin is required for normal CNS myelination. The Journal of neuroscience : the official journal of the Society for Neuroscience, 29(49), 15355.