

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

B6.129S1-Slc6a1^{tm1Lst}/Mmucd

RRID:MMRRC_000426-UCD

Type: Organism

Proper Citation

RRID:MMRRC_000426-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=426

Proper Citation: RRID:MMRRC_000426-UCD

Description: Mus musculus with name B6.129S1-Slc6a1^{tm1Lst}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal inhibitory postsynaptic currents [MP:0002945]| abnormal neurotransmitter uptake [MP:0003444]| abnormal neurotransmitter secretion [MP:0005445]

Affected Gene: Slc6a1

Catalog Number: 000426-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:12815026](#), [PMID:12451126](#)

Alternate IDs: MMRRC_426-UCD, MMRRC_000426, MMRRC_426

Organism Name: B6.129S1-Slc6a1^{tm1Lst}/Mmucd

Record Creation Time: 20230308T054752+0000

Record Last Update: 20260801T123213+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-Slc6a1^{tm1Lst}/Mmucd.

No alerts have been found for B6.129S1-Slc6a1^{tm1Lst}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Tozzi F, et al. (2025) Forestwalk: A Machine Learning Workflow Brings New Insights Into Posture and Balance in Rodent Beam Walking. The European journal of neuroscience, 61(5), e70033.

Guo W, et al. (2024) AAV9/SLC6A1 gene therapy rescues abnormal EEG patterns and cognitive behavioral deficiencies in Slc6a1^{-/-} mice. The Journal of clinical investigation.

Lindquist BE, et al. (2023) Patient-derived SLC6A1 variant S295L results in an epileptic phenotype similar to haploinsufficient mice. Epilepsia, 64(10), e214.