

Resource Summary Report

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

B6.129X1-Slc17a7^{tm1Edw}/Mmucd

RRID:MMRRC_032097-UCD

Type: Organism

Proper Citation

RRID:MMRRC_032097-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32097

Proper Citation: RRID:MMRRC_032097-UCD

Description: Mus musculus with name B6.129X1-Slc17a7^{tm1Edw}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Models for Human Disease, Neurobiology, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: impaired coordination [MP:0001405] increased startle reflex [MP:0001488] blindness [MP:0002001] premature death [MP:0002083] abnormal CNS synaptic transmission [MP:0002206] abnormal excitatory postsynaptic currents [MP:0002910] abnormal excitatory postsynaptic potential [MP:0002912] abnormal neurotransmitter uptake [MP:0003444] abnormal single cell response [MP:0003463] abnormal synaptic vesicle number [MP:0004792] abnormal axon morphology [MP:0005404] abnormal food intake [MP:0005449]

Affected Gene: Slc17a7

Catalog Number: 032097-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15118123](#), [PMID:16957773](#)

Alternate IDs: MMRRC_32097-UCD, MMRRC_032097, MMRRC_3297

Organism Name: B6.129X1-Slc17a7^{tm1Edw}/Mmucd

Record Creation Time: 20230308T055126+0000

Record Last Update: 20260801T124239+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Slc17a7^{tm1Edw}*/Mmucd.

No alerts have been found for B6.129X1-*Slc17a7^{tm1Edw}*/Mmucd.

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 [RRID](#) .

Lindstr  m SH, et al. (2020) VGluT1 Deficiency Impairs Visual Attention and Reduces the Dynamic Range of Short-Term Plasticity at Corticothalamic Synapses. Cerebral cortex (New York, N.Y. : 1991), 30(3), 1813.