

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

B6;129S-B4galnt1^{tm1Rlp}/Mmmh

RRID:MMRRC_000036-MU

Type: Organism

Proper Citation

RRID:MMRRC_000036-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36

Proper Citation: RRID:MMRRC_000036-MU

Description: Mus musculus with name B6;129S-B4galnt1^{tm1Rlp}/Mmmh from MMRRC.

Species: Mus musculus

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

Phenotype: Purkinje cell degeneration [MP:0000876]| abnormal Purkinje cell morphology [MP:0000877]| seminiferous tubule degeneration [MP:0001154]| abnormal spermatogenesis [MP:0001156]| ataxia [MP:0001393]| impaired coordination [MP:0001405]| audiogenic seizures [MP:0001496]| impaired righting response [MP:0001523]| male infertility [MP:0001925]| abnormal breathing pattern [MP:0001951]| seizures [MP:0002064]| premature death [MP:0002083]| abnormal macrophage morphology [MP:0002446]| abnormal neuron morphology [MP:0002882]| tonic-clonic seizures [MP:0003997]| abnormal renal tubule epithelium morphology [MP:0009640]

Affected Gene: B4galnt1

Catalog Number: 000036-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10021458](#)

Alternate IDs: MMRRC_36-MU, MMRRC_000036, MMRRC_36

Organism Name: B6;129S-B4galnt1^{tm1Rlp}/Mmmh

Record Creation Time: 20230308T054750+0000

Record Last Update: 20260919T132924+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-*B4galnt1*^{tm1Rlp}/Mmmh.

No alerts have been found for B6;129S-*B4galnt1*^{tm1Rlp}/Mmmh.

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](#) .

Fuchigami T, et al. (2023) Restoration of Adult Neurogenesis by Intranasal Administration of Gangliosides GD3 and GM1 in The Olfactory Bulb of A53T Alpha-Synuclein-Expressing Parkinson's-Disease Model Mice. *Molecular neurobiology*, 60(6), 3329.

Arends M, et al. (2022) Ganglioside lipidomics of CNS myelination using direct infusion shotgun mass spectrometry. *iScience*, 25(11), 105323.