

Resource Summary Report

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

B6;129S5-Adcy10^{tm1Lex}/Mmnc

RRID:MMRRC_011659-UNC

Type: Organism

Proper Citation

RRID:MMRRC_011659-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11659

Proper Citation: RRID:MMRRC_011659-UNC

Description: Mus musculus with name B6;129S5-Adcy10^{tm1Lex}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: male infertility [MP:0001925]| increased heart rate [MP:0002626]| abnormal sperm motility [MP:0002674]| asthenozoospermia [MP:0002675]| impaired sperm capacitation [MP:0003666]| increased circulating cholesterol level [MP:0005178]| increased triglyceride level [MP:0005317]| abnormal fertilization [MP:0005410]| teratozoospermia [MP:0005578]| kinked sperm flagellum [MP:0009237]| hairpin sperm flagellum [MP:0009243]

Affected Gene: Adcy10

Catalog Number: 011659-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11659-UNC, MMRRC_011659, MMRRC_11659

Organism Name: B6;129S5-Adcy10^{tm1Lex}/Mmnc

Record Creation Time: 20230308T054912+0000

Record Last Update: 20260801T123551+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Adcy10^{tm1Lex}*/Mmnc.

No alerts have been found for B6;129S5-*Adcy10^{tm1Lex}*/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 [NIF](#) .

Navarrete FA, et al. (2016) Transient exposure to calcium ionophore enables in vitro fertilization in sterile mouse models. Scientific reports, 6, 33589.