

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

B6.129S6-Cftrtm2Mrc- (R117H)

RRID:CWRU_R

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.cfmice.org/cf-mouse-strains.html>

Proper Citation: RRID:CWRU_R

Description: Mus musculus with name B6.129S6-Cftrtm2Mrc- (R117H) from CWRU.

Species: Mus musculus

Notes: gene symbol note: cystic fibrosis transmembrane conductance regulator; congenic strain: targeted mutation 2, Mario R Capecchi

Phenotype: Mild and Severe CF mouse phenotypes (e.g., only 10-15 Intestinal obstruction, reduced weight and length, white teeth, increased response to bacterial infection etc)

Affected Gene: Cftr

Genomic Alteration: substitution- results in substitution of arginine to histidine-R117H mutation in exon 4

Catalog Number: CWR:R

Background: C57Bl/6J

Database: CWRU, Case Western Reserve University (CWRU) Cystic Fibrosis Mouse Models

Database Abbreviation: CWRU

Source References: [PMID:15246977](#)

Organism Name: B6.129S6-Cftrtm2Mrc- (R117H)

Record Creation Time: 20230226T042545+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-Cftrtm2Mrc- (R117H).

No alerts have been found for B6.129S6-Cftrtm2Mrc- (R117H).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: CWRU, Case Western Reserve University (CWRU) Cystic Fibrosis Mouse Models

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

van Heeckeren AM, et al. (2004) Role of Cftr genotype in the response to chronic Pseudomonas aeruginosa lung infection in mice. American journal of physiology. Lung cellular and molecular physiology, 287(5), L944.