

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

B6.129S6-Cftrtm1Mrc- (Y122X)

RRID:CWRU_Y

Type: Organism

Proper Citation

RRID:CWRU_Y

Organism Information

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

Proper Citation: RRID:CWRU_Y

Description: Mus musculus with name B6.129S6-Cftrtm1Mrc- (Y122X) from CWRU.

Species: Mus musculus

Notes: MGI:3688292

Phenotype: Severe CF mouse phenotypes (e.g., ~80% Intestinal obstruction, reduced weight and length, white teeth, increased response to bacterial infection etc)

Affected Gene: Cftr

Genomic Alteration: substitution- results in substitution of tyrosine to stop- Y122X mutation- stop mutation/null in exon 4

Catalog Number: CWR:Y

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-Cftrtm1Mrc- (Y122X)

Record Creation Time: 20230226T042545+0000

Record Last Update: 20260905T204157+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-Cftrtm1Mrc- (Y122X).

No alerts have been found for B6.129S6-Cftrtm1Mrc- (Y122X).

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.