Resource Summary Report

Generated by NIF on Aug 23, 2026

Balb/c.Cftrtm1Unc- (S489X)

RRID:CWRU_BCS
Type: Organism

Proper Citation

RRID:CWRU_BCS

Organism Information

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

Proper Citation: RRID:CWRU_BCS

Description: Mus musculus with name Balb/c.Cftrtm1Unc- (S489X) from CWRU.

Species: Mus musculus

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: substition and transgene- results in substition of serine to stop-S489X mutation(stop mutation/null in exon 11) with human CFTR expressed off rat fatt acid binding protein promoter

Catalog Number: CWR:BCS

Background: Balb/c

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

Database Abbreviation: CWRU

Source References: PMID:1380723

Organism Name: Balb/c.Cftrtm1Unc- (S489X)

Record Creation Time: 20230226T042545+0000

Record Last Update: 20260816T021139+0000

Ratings and Alerts

No rating or validation information has been found for Balb/c.Cftrtm1Unc- (S489X).

No alerts have been found for Balb/c.Cftrtm1Unc- (S489X).

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 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Hodges CA, et al. (2011) Cystic fibrosis growth retardation is not correlated with loss of Cftr in the intestinal epithelium. American journal of physiology. Gastrointestinal and liver physiology, 301(3), G528.

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.