

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

B6.Cftrtm1Unc- (S489X)

RRID:CWRU_S

Type: Organism

Proper Citation

RRID:CWRU_S

Organism Information

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

Proper Citation: RRID:CWRU_S

Description: Mus musculus with name B6.Cftrtm1Unc- (S489X) from CWRU.

Species: Mus musculus

Notes: MGI:1856709

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 serine to stop- S489X mutation(stop mutation/null in exon 11)

Catalog Number: CWR:S

Background: C57Bl/6J

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

Database Abbreviation: CWRU

Source References: [PMID:1380723](#)

Organism Name: B6.Cftrtm1Unc- (S489X)

Record Creation Time: 20230226T042545+0000

Record Last Update: 20260816T021139+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cftrtm1Unc- (S489X).

No alerts have been found for B6.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](#) .

Giorgetti M, et al. (2021) New generation ENaC inhibitors detach cystic fibrosis airway mucus bundles via sodium/hydrogen exchanger inhibition. European journal of pharmacology, 904, 174123.

Snouwaert JN, et al. (1992) An animal model for cystic fibrosis made by gene targeting. Science (New York, N.Y.), 257(5073), 1083.