

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

STOCK Cfr^{tm1Unc} Tg(FABPCFTR)1Jaw/J

RRID:IMSR_JAX:002364

Type: Organism

Proper Citation

RRID:IMSR_JAX:002364

Organism Information

URL: <https://www.jax.org/strain/002364>

Proper Citation: RRID:IMSR_JAX:002364

Description: Mus musculus with name STOCK Cfr^{tm1Unc} Tg(FABPCFTR)1Jaw/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: fatty acid binding protein 2; intestinal|cystic fibrosis transmembrane conductance regulator|transgene insertion 1; Jeffrey A Whitsett; mutant stock: Fabp2|Cfr|CFTR|Tg(FABPCFTR)1Jaw

Affected Gene: fatty acid binding protein 2; intestinal|cystic fibrosis transmembrane conductance regulator|transgene insertion 1; Jeffrey A Whitsett

Genomic Alteration: transgene insertion 1; Jeffrey A Whitsett|targeted mutation 1; University of North Carolina

Catalog Number: JAX:002364

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Cfr^{tm1Unc} Tg(FABPCFTR)1Jaw/J

Record Creation Time: 20250513T053631+0000

Record Last Update: 20260912T060416+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Cfr^{tm1Unc} Tg(FABPCFTR)1Jaw/J.

No alerts have been found for STOCK Cfr^{tm1Unc} Tg(FABPCFTR)1Jaw/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wills BM, et al. (2023) Identification of Virulence Factors Involved in a Murine Model of Severe Achromobacter xylosoxidans Infection. Infection and immunity, 91(7), e0003723.

Riazanski V, et al. (2022) Phagosomal chloride dynamics in the alveolar macrophage. iScience, 25(1), 103636.

Wang M, et al. (2021) 2-O, 3-O desulfated heparin (ODSH) increases bacterial clearance and attenuates lung injury in cystic fibrosis by restoring HMGB1-compromised macrophage function. Molecular medicine (Cambridge, Mass.), 27(1), 79.

Mukherjee A, et al. (2020) Engineered mutant γ -ENaC subunit mRNA delivered by lipid nanoparticles reduces amiloride currents in cystic fibrosis-based cell and mice models. Science advances, 6(47).

Di Fulvio M, et al. (2020) Heterogeneous expression of CFTR in insulin-secreting β -cells of the normal human islet. PloS one, 15(12), e0242749.

Gauthier TW, et al. (2017) Impaired defenses of neonatal mouse alveolar macrophage with cfr deletion are modulated by glutathione and TGF β 1. Physiological reports, 5(6).

Grassmé H, et al. (2017) β 1-Integrin Accumulates in Cystic Fibrosis Luminal Airway Epithelial Membranes and Decreases Sphingosine, Promoting Bacterial Infections. Cell host & microbe, 21(6), 707.

Pfister S, et al. (2015) Novel role of cystic fibrosis transmembrane conductance regulator in maintaining adult mouse olfactory neuronal homeostasis. The Journal of comparative neurology, 523(3), 406.