

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

CuFi-1

RRID:CVCL_C457

Type: Cell Line

Proper Citation

RRID:CVCL_C457

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_C457

Proper Citation: RRID:CVCL_C457

Description: Cell line CuFi-1 is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Cystic fibrosis

Defining Citation: [PMID:12676769](#), [PMID:17191107](#)

Comments: Karyotypic information: 47,XX,+20 [16]; 46,XX [4] (PubMed=12676769).

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: CuFi-1

Synonyms: CuFi1, Cystic Fibrosis, University of Iowa-1

Cross References: ATCC:CRL-4013, BioSample:SAMN03471722, CancerTools:154445, ChEMBL-Cells:ChEMBL4513116, ChEMBL-Targets:ChEMBL4513124, PubChem_Cell_line:CVCL_C457, Wikidata:Q54814854

ID: CVCL_C457

Record Creation Time: 20220427T215527+0000

Record Last Update: 20260913T002442+0000

Ratings and Alerts

No rating or validation information has been found for CuFi-1.

No alerts have been found for CuFi-1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Singh N, et al. (2024) Bitter taste receptor T2R14-G?i coupling mediates innate immune responses to microbial quorum sensing molecules in cystic fibrosis. iScience, 27(12), 111286.

Lara-Reyna S, et al. (2019) Metabolic Reprograming of Cystic Fibrosis Macrophages via the IRE1? Arm of the Unfolded Protein Response Results in Exacerbated Inflammation. Frontiers in immunology, 10, 1789.

Scambler T, et al. (2019) ENaC-mediated sodium influx exacerbates NLRP3-dependent inflammation in cystic fibrosis. eLife, 8.