

Resource Summary Report

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

ZF4

RRID:CVCL_3275

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2050, RRID:CVCL_3275

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3275

Proper Citation: ATCC Cat# CRL-2050, RRID:CVCL_3275

Description: Cell line ZF4 is a Spontaneously immortalized cell line with a species of origin Danio rerio (Zebrafish)

Sex: Sex unspecified

Defining Citation: [PMID:18377224](#)

Comments: Group: Fish cell line.

Category: Spontaneously immortalized cell line

Organism: Danio rerio (Zebrafish)

Name: ZF4

Cross References: CLO:CLO_0009724, EFO:EFO_0001261, ATCC:CRL-2050, BCRC:60246, KCB:KCB 2014059YJ, Lonza:1135, Wikidata:Q54995904

ID: CVCL_3275

Vendor: ATCC

Catalog Number: CRL-2050

Record Creation Time: 20220427T221742+0000

Record Last Update: 20260905T182851+0000

Ratings and Alerts

No rating or validation information has been found for ZF4.

No alerts have been found for ZF4.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Lu LF, et al. (2026) Fish CDK2 recruits Dtx4 to degrade TBK1 through ubiquitination in the antiviral response. eLife, 13.

Lu LF, et al. (2026) Male-biased Cyp17a2 orchestrates antiviral sexual dimorphism in fish via STING stabilization and viral protein degradation. eLife, 14.

Wang A, et al. (2025) Azocyclotin Binds CDK4 to Disrupt DNA Methylation in Zebrafish Epigenetic Transgenerational Inheritance. Environmental science & technology, 59(50), 27130.

Ding Q, et al. (2021) Propionate induces intestinal oxidative stress via Sod2 propionylation in zebrafish. iScience, 24(6), 102515.

Lungu-Mitea S, et al. (2018) Development of an oxidative stress in vitro assay in zebrafish (Danio rerio) cell lines. Scientific reports, 8(1), 12380.