

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

EPC

RRID:CVCL_4361

Type: Cell Line

Proper Citation

IZSLER Cat# BS CL 41, RRID:CVCL_4361

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4361

Proper Citation: IZSLER Cat# BS CL 41, RRID:CVCL_4361

Description: Cell line EPC is a Spontaneously immortalized cell line with a species of origin Pimephales promelas (Fathead minnow)

Sex: Sex unspecified

Defining Citation: [PMID:11673072](#), [PMID:20143388](#), [PMID:20497291](#), [PMID:33053677](#), [PMID:34382581](#)

Comments: Problematic cell line: Misidentified. Originally deposited as a carp (Cyprinus carpio) cell line, is in fact a fathead minnow (Pimephales promelas) cell line (PubMed=20497291)..., Group: Fish cell line.

Category: Spontaneously immortalized cell line

Organism: Pimephales promelas (Fathead minnow)

Name: EPC

Synonyms: Epithelioma Papulosum Cyprini

Cross References: CLO:CLO_0002940, CLDB:cl1167, CLDB:cl1168, ATCC:CRL-2872, BioSample:SAMN03152008, CCLV:CCLV-RIE 0173, CCTCC:GDC0174, CCTCC:GDC0182, ECACC:93120820, IZSLER:BS CL 41, Wikidata:Q26882920

ID: CVCL_4361

Vendor: IZSLER

Catalog Number: BS CL 41

Record Creation Time: 20220427T215834+0000

Record Last Update: 20260920T002534+0000

Ratings and Alerts

No rating or validation information has been found for EPC.

Warning: Problematic cell line: Misidentified. Originally deposited as a carp (*Cyprinus carpio*) cell line, is in fact a fathead minnow (*Pimephales promelas*) cell line (PubMed=20497291).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00302.

Problematic cell line: Misidentified. Originally deposited as a carp (*Cyprinus carpio*) cell line, is in fact a fathead minnow (*Pimephales promelas*) cell line (PubMed=20497291)..
Group: Fish cell line.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Feng Y, et al. (2026) Midnolin has an ancient origin and negatively regulates type I IFN response in teleost fish. *Fish & shellfish immunology*, 170, 111134.

Ma??szycki M, et al. (2026) Nuclear speckles enable processing of RNA from GC-rich isochores. *Cell*, 189(7), 2024.

Xu T, et al. (2026) AACRNL evolved from virulence factor to epigenetic parasite driving genome expansion in free-living eukaryotes. *Nature communications*, 17(1).

Geng S, et al. (2025) PIF/harbinger transposon-derived protein promotes 7SL expression to enhance pathogen resistance. *EMBO reports*, 26(5), 1196.

Qu ZL, et al. (2024) Protocol for linking enhanced interferon immunity to virus resistance in gene-knockout zebrafish. *STAR protocols*, 5(3), 103156.

Qu ZL, et al. (2024) Genome editing of FTR42 improves zebrafish survival against virus infection by enhancing IFN immunity. *iScience*, 27(4), 109497.

Geng S, et al. (2024) An arms race between 5'ppp-RNA virus and its alternative recognition receptor MDA5 in RIG-I-lost teleost fish. *eLife*, 13.

Zhu L, et al. (2021) Attenuation of Antiviral Immune Response Caused by Perturbation of TRIM25-Mediated RIG-I Activation under Simulated Microgravity. *Cell reports*, 34(1), 108600.

Ford L, et al. (2021) Cytochrome oxidase gene sequencing reveals channel catfish ovary cell line is contaminated with brown bullhead cells. *Journal of fish diseases*, 44(1), 119.

Kim KI, et al. (2020) Transcriptome analysis based on RNA-seq of common innate immune responses of flounder cells to IHNV, VHSV, and HIRRV. *PloS one*, 15(9), e0239925.