

Resource Summary Report

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

HCT 116-Luc2 [ATCC]

RRID:CVCL_VU38

Type: Cell Line

Proper Citation

RRID:CVCL_VU38

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_VU38

Proper Citation: RRID:CVCL_VU38

Description: Cell line HCT 116-Luc2 [ATCC] is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Colon carcinoma

Comments: Characteristics: Stably expresses firefly luciferase under the control of the human EF1a promoter (ATCC=CCL-247-LUC2)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: HCT 116-Luc2 [ATCC]

Cross References: ATCC:CCL-247-LUC2, cancercellines:CVCL_VU38, Wikidata:Q93985295

ID: CVCL_VU38

Hierarchy: cvcl_0291

Record Creation Time: 20220427T220321+0000

Record Last Update: 20260913T003957+0000

Ratings and Alerts

No rating or validation information has been found for HCT 116-Luc2 [ATCC].

No alerts have been found for HCT 116-Luc2 [ATCC].

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Wagenbach M, et al. (2026) MCAK/Kif2C centromeric activity level tunes K-fiber turnover through distinct pathways. *iScience*, 29(6), 116122.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Goychuk A, et al. (2026) Active RNA synthesis patterns nuclear condensates. *Cell systems*, 17(7), 101613.

Ma H, et al. (2026) AF9-KLF2 gene regulatory circuit links histone lactylation to metabolic reprogramming and breast cancer progression. *Cell reports*, 45(6), 117429.

Wang L, et al. (2026) ACSS2 is required for colorectal cancer progression and a druggable target for colorectal cancer treatment. *iScience*, 29(8), 116860.

Zhang Q, et al. (2026) Uev1A counteracts oncogenic Ras stimuli in both polyploid and diploid cells. *eLife*, 14.

Shu Y, et al. (2026) Deacetylated PCBP1 licenses PARP1 activity for DNA damage repair. *Molecular cell*, 86(14), 2703.

Alonso S, et al. (2026) Concurrent genetic and non-genetic resistance mechanisms to KRAS inhibition in colorectal cancer. *Cancer cell*, 44(7), 1368.

Koo TY, et al. (2025) A covalent inhibitor targeting Cys16 on RhoA in colorectal cancer. *Cell chemical biology*.

Sang R, et al. (2025) Unlocking the in vivo therapeutic potential of radiation-activated photodynamic therapy for locally advanced rectal cancer with lymph node involvement. *EBioMedicine*, 116, 105724.

Russo M, et al. (2024) Acetyl-CoA production by Mediator-bound 2-ketoacid dehydrogenases boosts de novo histone acetylation and is regulated by nitric oxide. *Molecular cell*, 84(5), 967.

Cao L, et al. (2024) A LATS2 and ALKBH5 positive feedback loop supports their oncogenic roles. *Cell reports*, 43(4), 114032.

Banani SF, et al. (2024) Active RNA synthesis patterns nuclear condensates. *bioRxiv* : the preprint server for biology.

Wang Y, et al. (2022) Saturation of the mitochondrial NADH shuttles drives aerobic glycolysis in proliferating cells. *Molecular cell*, 82(17), 3270.