

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

[MCF7-Luc2 \[ATCC\]](#)

RRID:CVCL_A4CI

Type: Cell Line

Proper Citation

RRID:CVCL_A4CI

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A4CI

Proper Citation: RRID:CVCL_A4CI

Description: Cell line MCF7-Luc2 [ATCC] is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Invasive breast carcinoma of no special type

Comments: Characteristics: Stably expresses firefly luciferase under the control of the human EF1a promoter (ATCC=HTB-22-LUC2)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MCF7-Luc2 [ATCC]

Cross References: ATCC:HTB-22-LUC2, cancercellines:CVCL_A4CI, Wikidata:Q105510081

ID: CVCL_A4CI

Hierarchy: cvcl_0031

Record Creation Time: 20220427T220752+0000

Record Last Update: 20260829T234555+0000

Ratings and Alerts

No rating or validation information has been found for MCF7-Luc2 [ATCC].

No alerts have been found for MCF7-Luc2 [ATCC].

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 [RRID](#) .

Fan G, et al. (2026) Cancer stem cells orchestrate immune evasion through extracellular vesicle-mediated non-canonical signaling pathways. *Cancer cell*, 44(6), 1160.

Nguyen TQA, et al. (2026) Targeting RNase H2: A dual-mechanism strategy to elevate replication stress, DNA damage, and antitumor immunity in TNBC. *Cell reports. Medicine*, 7(5), 102750.

Boyer T, et al. (2026) Immunosuppressive myeloid cells induce mesenchymal-like breast cancer stem cells by a membrane-bound TGF- β 1-dependent mechanism. *Cell reports*, 45(7), 117568.

van der Kammen R, et al. (2026) RNA dicing promotes the expression of an oncogenic JAK1 isoform. *Cell reports*, 45(4), 117258.

Luo L, et al. (2026) CDK2 inhibitor BLU-222 synergizes with CDK4/6 inhibitors in drug resistant breast cancers through p21/p27 induction. *Nature communications*, 17(1), 619.

Karki R, et al. (2026) Comprehensive mass spectrometry screening-derived atlas of HDAC inhibitors reveals histone-specific acetylation changes. *Cell reports*, 45(5), 117289.

Torosyan H, et al. (2026) Structures of the PI3K γ /KRas complex on lipid bilayers reveal molecular mechanisms of PI3K γ activation. *Molecular cell*, 86(14), 2858.

Luo E, et al. (2025) Metabolomic Profiling Reveals Key Metabolic Alterations in MCF7 Tamoxifen-Resistant Cells Following EPAS1 Inhibition. *Journal of proteome research*, 24(8), 4070.

Sipoloni VM, et al. (2025) Rotenoids from the Roots of *Vicia faba* L. (Fabaceae): Structural Characterization, Cytotoxic Effects, and Molecular Docking. *Chemistry & biodiversity*, e01091.

Hofman DA, et al. (2024) Translation of non-canonical open reading frames as a cancer cell survival mechanism in childhood medulloblastoma. *Molecular cell*, 84(2), 261.