Resource Summary Report

Generated by RRID on Aug 28, 2026

ECC-1

RRID:CVCL_7260
Type: Cell Line

Proper Citation

RRID:CVCL_7260

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7260

Proper Citation: RRID:CVCL_7260

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

Sex: Female

Disease: Type I endometrial adenocarcinoma

Defining Citation: PMID:10478797, PMID:16707768, PMID:20218740, PMID:22710073, PMID:23325432, PMID:25877200, PMID:33174010

Comments: Population: Japanese., Part of: ENCODE project common cell types; tier 3., Problematic cell line: Contaminated. Shown to be a Ishikawa 3-H-12 derivative (PubMed=22710073)..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: ECC-1

Synonyms: ECC1, EnCa1

Cross References: BTO:BTO_0005365, CLO:CLO_0037231, EFO:EFO_0005231, ATCC:CRL-2923, BioSample:SAMN03151801, BioSample:SAMN03472871, cancercelllines:CVCL_7260, Cosmic:1102375, Cosmic:1576451, Cosmic:1622895, Cosmic:2030461, ENCODE:ENCBS034DOC, ENCODE:ENCBS159ITB, ENCODE:ENCBS222DWG, ENCODE:ENCBS312UTV, ENCODE:ENCBS336PJO, ENCODE:ENCBS347ANJ, ENCODE:ENCBS624SHM, ENCODE:ENCBS670ZEX, ENCODE:ENCBS731RSG, ENCODE:ENCBS743VIZ, ENCODE:ENCBS758FSP, ENCODE:ENCBS767JJY, ENCODE:ENCBS862NRL, ENCODE:ENCBS896YZO,

GEO:GSM843495, GEO:GSM843496, GEO:GSM923422, GEO:GSM923423, GEO:GSM923426, GEO:GSM923427, GEO:GSM1008574, GEO:GSM1008597, Lonza:1319, Wikidata:Q54831921

ID: CVCL_7260

Hierarchy: cvcl_d199

Record Creation Time: 20220427T215828+0000

Record Last Update: 20260815T232729+0000

Ratings and Alerts

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

Warning: Problematic cell line: Contaminated. Shown to be a Ishikawa 3-H-12 derivative (PubMed=22710073).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00460.
Population: Japanese., Part of: ENCODE project common cell types; tier 3., Problematic cell line: Contaminated. Shown to be a Ishikawa 3-H-12 derivative (PubMed=22710073)..
Warning: Discontinued: ATCC; CRL-2923
Population: Japanese., Part of: ENCODE project common cell types; tier 3., Problematic cell line: Contaminated. Shown to be a Ishikawa 3-H-12 derivative (PubMed=22710073)..

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 90 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Liu X, et al. (2025) The pan-cancer mutational landscape of MLL3 and its impact on prognosis and immunochemotherapy. Cell reports, 44(11), 116548.

Yu H, et al. (2025) Assessment of NUDT5 in Endometrial Carcinoma: Functional Insights, Prognostic and Therapeutic Implications. Biomedicines, 13(5).

Lv M, et al. (2024) TSLP enhances progestin response in endometrial cancer via androgen receptor signal pathway. British journal of cancer, 130(4), 585.

Tang S, et al. (2023) ERR? Up-Regulates Invadopodia Formation by Targeting HMGCS1 to Promote Endometrial Cancer Invasion and Metastasis. International journal of molecular sciences, 24(4).

Yang P, et al. (2023) Comprehensive Analysis of Prognosis and Immune Landscapes Based on Lipid-Metabolism- and Ferroptosis-Associated Signature in Uterine Corpus Endometrial Carcinoma. Diagnostics (Basel, Switzerland), 13(5).

Paraghamian SE, et al. (2023) A novel dopamine receptor D2 antagonist (ONC206) potentiates the effects of olaparib in endometrial cancer. Cancer biology & therapy, 24(1), 2202104.

Montero-Calle A, et al. (2023) In-depth quantitative proteomics analysis revealed C1GALT1 depletion in ECC-1 cells mimics an aggressive endometrial cancer phenotype observed in cancer patients with low C1GALT1 expression. Cellular oncology (Dordrecht), 46(3), 697.

Wang Y, et al. (2022) KCTD7 mutations impair the trafficking of lysosomal enzymes through CLN5 accumulation to cause neuronal ceroid lipofuscinoses. Science advances, 8(31), eabm5578.

Voon YC, et al. (2022) Cancer-associated fibroblasts as cellular vehicles in endometrial cancer cell migration. Oncology letters, 23(1), 3.

Liu X, et al. (2022) The potential role of methyltransferase-like 5 in deficient mismatch repair of uterine corpus endometrial carcinoma. Bioengineered, 13(3), 5525.

Ye Y, et al. (2022) XPO1-Mediated EIF1AX Cytoplasmic Relocation Promotes Tumor Migration and Invasion in Endometrial Carcinoma. Oxidative medicine and cellular longevity, 2022, 1361135.

Kapur A, et al. (2022) Atovaquone: An Inhibitor of Oxidative Phosphorylation as Studied in Gynecologic Cancers. Cancers, 14(9).

Mao X, et al. (2022) Lipid reprogramming induced by the TFEB-ERR? axis enhanced membrane fluidity to promote EC progression. Journal of experimental & clinical cancer research : CR, 41(1), 28.

Gurner KH, et al. (2022) A microenvironment of high lactate and low pH created by the blastocyst promotes endometrial receptivity and implantation. Reproductive biomedicine online, 44(1), 14.

Cheng Y, et al. (2022) NrCAM secreted by endometrial stromal cells enhances the progestin sensitivity of endometrial cancer cells through epigenetic modulation of PRB. Cancer gene therapy, 29(10), 1452.

Bourke NM, et al. (2022) Spatiotemporal regulation of human IFN-? and innate immunity in the female reproductive tract. JCI insight, 7(18).

Roque DR, et al. (2021) The Effects of NT-1044, a Novel AMPK Activator, on Endometrial Cancer Cell Proliferation, Apoptosis, Cell Stress and In Vivo Tumor Growth. Frontiers in oncology, 11, 690435.

Liu X, et al. (2021) Structural basis for glucocorticoid receptor recognition of both unmodified and methylated binding sites, precursors of a modern recognition element. Nucleic acids research, 49(15), 8923.

Xia Z, et al. (2021) Network Pharmacology Analysis and Experimental Pharmacology Study Explore the Mechanism of Gambogic Acid against Endometrial Cancer. ACS omega, 6(16), 10944.

Dai M, et al. (2021) Nuclear-translocation of ACLY induced by obesity-related factors enhances pyrimidine metabolism through regulating histone acetylation in endometrial cancer. Cancer letters, 513, 36.