

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

VCaP

RRID:CVCL_2235

Type: Cell Line

Proper Citation

RRID:CVCL_2235

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2235

Proper Citation: RRID:CVCL_2235

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

Sex: Male

Disease: Prostate carcinoma

Defining Citation: [PMID:11317522](#), [PMID:14518029](#), [PMID:14518030](#), [PMID:21698104](#), [PMID:22460905](#), [PMID:23447416](#), [PMID:23615946](#), [PMID:23671654](#), [PMID:25877200](#), [PMID:25984343](#), [PMID:27397505](#), [PMID:28145883](#), [PMID:29194687](#), [PMID:30244336](#), [PMID:30305041](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31395879](#), [PMID:31978347](#), [PMID:34402095](#), [PMID:35839778](#), [PMID:38892296](#)

Comments: Virology: Contains an integrated xenotropic MuLV-related virus (XMRV) Bxv-1 (PubMed=21698104)., Characteristics: Established from a xenograft produced by implantation of tumor cells in a SCID mouse., Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: VCaP

Synonyms: VCAP, Vcap, Vertebral Cancer of the Prostate

Cross References: BTO:BTO_0003215, CLO:CLO_0037117, EFO:EFO_0007752, AddexBio:C0019001/73, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-2876, BioSample:SAMN03473238, BioSample:SAMN05292448,

BioSample:SAMN10988209, cancercellines:CVCL_2235, CCRID:3101HUMSCSP5034, CCRID:3101HUMTCHU220, Cell_Model_Passport:SIDM01077, ChEMBL-Cells:ChEMBL4295435, ChEMBL-Targets:ChEMBL4296508, CLS:300631, Cosmic:1028646, Cosmic:1028698, Cosmic:1043330, Cosmic:1071482, Cosmic:1689710, Cosmic:1995663, Cosmic:2580131, Cosmic-CLP:1299075, DepMap:ACH-000115, ECACC:06020201, EGA:EGAS00001000978, ENCODE:ENCBS316RCQ, ENCODE:ENCBS626UQL, GDSC:1299075, GEO:GSM525805, GEO:GSM648824, GEO:GSM887731, GEO:GSM888826, GEO:GSM1374984, GEO:GSM1440913, GEO:GSM1440914, GEO:GSM1633311, GEO:GSM1633312, GEO:GSM1633313, GEO:GSM1670571, GEO:GSM2069530, GEO:GSM2069531, GEO:GSM2069532, GEO:GSM2069533, GEO:GSM2069534, GEO:GSM2069535, GEO:GSM2069536, GEO:GSM2069537, GEO:GSM3145594, GEO:GSM3145745, GEO:GSM3407124, GEO:GSM3407125, GEO:GSM3407126, GEO:GSM3407127, GEO:GSM3407128, GEO:GSM3407129, GEO:GSM5402196, IARC_TP53:18891, IZSLER:BS TCL 234, LiGeA:CCLE_269, LINCS_LDP:LCL-1147, PharmacDB:VCaP_1653_2019, PRIDE:PXD030304, Progenetix:CVCL_2235, PubChem_Cell_line:CVCL_2235, Wikidata:Q29511246

ID: CVCL_2235

Record Creation Time: 20220427T221708+0000

Record Last Update: 20260816T000125+0000

Ratings and Alerts

No rating or validation information has been found for VCaP.

No alerts have been found for VCaP.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 268 mentions in open access literature.

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

Kim M, et al. (2026) Bone Metastatic Progression of Prostate Cancer Is Regulated by TRIM28-LDHA-Mediated Metabolism. Molecular cancer research : MCR, 24(2), 93.

Nayak S, et al. (2026) Discovery of BMS-986365, a First-in-Class Dual Androgen Receptor Ligand-Directed Degradar and Antagonist, for the Treatment of Advanced Prostate Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(1), 224.

Metcalf SA, et al. (2026) Multiple ETS family transcription factors bind mutant p53 via distinct interaction regions. FEBS letters, 600(8), 1248.

- Susa T, et al. (2026) Androgen Signaling Represses Homeobox C9, an Inhibitor of Androgen Receptor, in Prostate Cancer Cells. *International journal of molecular sciences*, 27(4).
- Sun R, et al. (2026) KDM5B-driven glucose metabolic reprogramming promotes enzalutamide resistance in prostate cancer via the lactate/hnRNPA1 lactylation/AR-V7 axis. *Molecular cancer*, 25(1).
- Li Q, et al. (2026) Phase Separation of NFIB Suppresses SLC3A2-Mediated Ferroptosis in Castration-Resistant Prostate Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(26), e15340.
- Liu C, et al. (2026) Androgen Receptor-Induced Lactoferrin Accelerates Prostate Tumorigenesis Through Modulating Ferroptosis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(37), e20109.
- Watterson A, et al. (2026) CRISPR screens in the context of immune selection identify CHD1 and MAP3K7 as mediators of cancer immunotherapy resistance. *Cell reports. Medicine*, 7(1), 102565.
- Tsui M, et al. (2026) Landscape of Allele-Specific Expression in Prostate Cancer Reveals Recurrent, Stage-Specific Events in AR Signaling and Resistance Pathways. *Molecular cancer research : MCR*, 24(4), 242.
- Zhao D, et al. (2026) Lactate derived from cancer-associated fibroblasts promotes alternative splicing and castration resistance in prostate cancer. *Science advances*, 12(3), eady5324.
- Ji Y, et al. (2026) Serotonin Modulates Lineage Plasticity in Neuroendocrine Prostate Cancer via Epigenetic Reprogramming. *Cancer discovery*, 16(4), 760.
- Kumar R, et al. (2025) CRM1 regulates androgen receptor stability and impacts DNA repair pathways in prostate cancer, independent of the androgen receptor. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(2), e70342.
- Nepali PR, et al. (2025) Effect of TGF- β mediated phenotypic changes on prostate cancer cell anoikis response. *Oncogene*, 44(50), 4835.
- San Martin R, et al. (2025) Amorphous calcium phosphate-coated surfaces as a model for bone microenvironment in prostate cancer. *Heliyon*, 11(3), e41929.
- Shah K, et al. (2025) Clinical Context Shapes the Relationship between Genomic Alterations and Response to AR Inhibitors and Chemotherapy in Metastatic Prostate Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(13), 2824.
- Wierbiński K, et al. (2025) Parp7 generates an ADP-ribosyl degron that controls negative feedback of androgen signaling. *The EMBO journal*, 44(17), 4720.
- Zhu S, et al. (2025) Isoform-specific function of NSD3 in DNA replication stress confers resistance to PARP inhibitors in prostate cancer. *Molecular cell*, 85(14), 2673.

Alaimo A, et al. (2025) TRPM8 levels determine tumor vulnerability to channel agonists. *Molecular oncology*.

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. *Cell reports*, 44(6), 115792.

Liu X, et al. (2025) Increasing Stemness Drives Prostate Cancer Progression, Plasticity, Therapy Resistance and Poor Patient Survival. *bioRxiv : the preprint server for biology*.