

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

LNCaP C4

RRID:CVCL_4783

Type: Cell Line

Proper Citation

RRID:CVCL_4783

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4783

Proper Citation: RRID:CVCL_4783

Description: Cell line LNCaP C4 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Prostate carcinoma

Defining Citation: [PMID:8169003](#), [PMID:12725112](#), [PMID:35502546](#)

Comments: Characteristics: Derived from a tumor that developed in castrated nude mice injected with LNCaP cells., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: LNCaP C4

Synonyms: LNCaP-C4, LNCaPC4, LNCaP subline C4, C4

Cross References: BTO:BTO_0005868, ATCC:CRL-3313, cancercellines:CVCL_4783, Wikidata:Q54902813

ID: CVCL_4783

Hierarchy: cvcl_0395

Record Creation Time: 20220427T220731+0000

Record Last Update: 20260905T181035+0000

Ratings and Alerts

No rating or validation information has been found for LNCaP C4.

No alerts have been found for LNCaP C4.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Baker MJ, et al. (2025) VAV2 Drives EGFR-Mediated Rac1 Responses in Prostate Cancer. Molecular cancer research : MCR, 23(8), 684.

Cheng B, et al. (2025) Induction of ferroptosis in prostate cancer by CCDC719-13 via TRIM21-mediated ubiquitination of SLC7A11. Cell death and differentiation.

Ito K, et al. (2023) Osteoblast-derived extracellular vesicles exert osteoblastic and tumor-suppressive functions via SERPINA3 and LCN2 in prostate cancer. Molecular oncology, 17(10), 2147.

Wang H, et al. (2022) ??-Tocotrienol is the Most Potent Vitamin E Form in Inhibiting Prostate Cancer Cell Growth and Inhibits Prostate Carcinogenesis in Ptenp-/- Mice. Cancer prevention research (Philadelphia, Pa.), 15(4), 233.

Salji MJ, et al. (2022) Multi-omics & pathway analysis identify potential roles for tumor N-acetyl aspartate accumulation in murine models of castration-resistant prostate cancer. iScience, 25(4), 104056.

Stribbling SM, et al. (2022) The cell-line-derived subcutaneous tumor model in preclinical cancer research. Nature protocols, 17(9), 2108.

Ippolito L, et al. (2022) Lactate Rewires Lipid Metabolism and Sustains a Metabolic-Epigenetic Axis in Prostate Cancer. Cancer research, 82(7), 1267.

Mislang A, et al. (2020) A preliminary assessment of oral monepantel's tolerability and pharmacokinetics in individuals with treatment-refractory solid tumors. Cancer chemotherapy and pharmacology, 86(5), 589.

Bordini J, et al. (2020) Iron Induces Cell Death and Strengthens the Efficacy of Antiandrogen Therapy in Prostate Cancer Models. Clinical cancer research : an official journal of the American Association for Cancer Research, 26(23), 6387.

Hwang JH, et al. (2019) CREB5 Promotes Resistance to Androgen-Receptor Antagonists and Androgen Deprivation in Prostate Cancer. Cell reports, 29(8), 2355.

Di Mitri D, et al. (2019) Re-education of Tumor-Associated Macrophages by CXCR2 Blockade Drives Senescence and Tumor Inhibition in Advanced Prostate Cancer. *Cell reports*, 28(8), 2156.