

Resource Summary Report

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

RPTEC/TERT1

RRID:CVCL_K278

Type: Cell Line

Proper Citation

Evercyte Cat# CHT-003-0002, RRID:CVCL_K278

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_K278

Proper Citation: Evercyte Cat# CHT-003-0002, RRID:CVCL_K278

Description: Cell line RPTEC/TERT1 is a Telomerase immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:18715936](#), [PMID:21103459](#), [PMID:25536518](#), [PMID:31078587](#)

Comments: Part of: Human Protein Atlas, Cell Atlas panel.

Category: Telomerase immortalized cell line

Organism: Homo sapiens (Human)

Name: RPTEC/TERT1

Synonyms: RPTEC TERT1, RPTEC/TERT 1, RPTec, Renal Proximal Tubule Epithelial Cells/TERT-immortalized 1

Cross References: ATCC:CRL-4031, BioSample:SAMN03471734, Evercyte:CHT-003-0002, GEO:GSM7701468, GEO:GSM7701471, MetaboLights:MTBLS9, Wikidata:Q54951284

ID: CVCL_K278

Vendor: Evercyte

Catalog Number: CHT-003-0002

Record Creation Time: 20250423T102222+0000

Record Last Update: 20260905T185131+0000

Ratings and Alerts

No rating or validation information has been found for RPTEC/TERT1.

No alerts have been found for RPTEC/TERT1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Zhang X, et al. (2026) Cross-Cohort Transcriptomic Integration Identifies IFIT2 as a Translational Diagnostic Biomarker and Functional Driver of Inflammation-Linked Tubular Injury in Chronic Kidney Disease. Human mutation, 2026, 8282277.

Uprety A, et al. (2026) SETD2 Deficiency Drives Mitochondrial DNA Leakage and Creates a Druggable Dependency on BCL-xL in Clear Cell Renal Cell Carcinoma. Cancer research, 86(15), 3838.

Secic D, et al. (2026) Dynamic assessment of the allocation of copper to cytochrome c oxidase using size-exclusion chromatography (SEC) combined with inductively coupled plasma mass spectrometry (ICP-MS). The Journal of biological chemistry, 302(4), 111278.

Cesana B, et al. (2026) Using 3D Invasion properties of RCC Cell Lines In Vitro to predict their Metastatic Potential In Vivo. Cell death discovery, 12(1).

Hansen JN, et al. (2025) Intrinsic heterogeneity of primary cilia revealed through spatial proteomics. Cell.

Ma C, et al. (2025) Protocol to develop a proximal tubule-on-chip model based on hiPSC-derived kidney organoids for functional analysis of renal transporters. STAR protocols, 6(2), 103777.

Cook AL, et al. (2025) Identification of nonsense-mediated decay inhibitors that alter the tumor immune landscape. eLife, 13.

Hase N, et al. (2025) APOBEC3C-mediated NF- κ B activation enhances clear cell renal cell carcinoma progression. Molecular oncology, 19(1), 114.

Rogg M, et al. (2025) Arp2/3-dependent regulation of ciliogenesis governs adaptive distal tubular epithelial cell states in kidney disease. Science advances, 11(48), eady1623.

Bancet A, et al. (2024) Cancer selective cell death induction by a bivalent CK2 inhibitor targeting the ATP site and the allosteric γ D pocket. iScience, 27(2), 108903.

Ma C, et al. (2024) Efficient proximal tubule-on-chip model from hiPSC-derived kidney organoids for functional analysis of renal transporters. *iScience*, 27(9), 110760.

Riscal R, et al. (2024) Bile Acid Metabolism Mediates Cholesterol Homeostasis and Promotes Tumorigenesis in Clear Cell Renal Cell Carcinoma. *Cancer research*, 84(10), 1570.

Frings S, et al. (2024) Epigenetic alterations in bioaccumulators of cadmium: Lessons from mammalian kidneys and plants. *Environment international*, 191, 109000.

Li H, et al. (2024) Transcriptomic, epigenomic, and spatial metabolomic cell profiling redefines regional human kidney anatomy. *Cell metabolism*.

Wang T, et al. (2024) SETD2 loss in renal epithelial cells drives epithelial-to-mesenchymal transition in a TGF- β -independent manner. *Molecular oncology*, 18(1), 44.

Cook AL, et al. (2022) An isogenic cell line panel for sequence-based screening of targeted anticancer drugs. *iScience*, 25(6), 104437.

Glykofridis IE, et al. (2021) Loss of FLCN-FNIP1/2 induces a non-canonical interferon response in human renal tubular epithelial cells. *eLife*, 10.

Gliozzi ML, et al. (2020) Effects of Proximal Tubule Shortening on Protein Excretion in a Lowe Syndrome Model. *Journal of the American Society of Nephrology : JASN*, 31(1), 67.