

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

hTERT-RPE1

RRID:CVCL_4388

Type: Cell Line

Proper Citation

ATCC Cat# CRL-4000, RRID:CVCL_4388

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4388

Proper Citation: ATCC Cat# CRL-4000, RRID:CVCL_4388

Description: Cell line hTERT-RPE1 is a Telomerase immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:9454332](#), [PMID:11980883](#), [PMID:25177495](#), [PMID:25877200](#), [PMID:28350380](#), [PMID:30971826](#)

Category: Telomerase immortalized cell line

Organism: Homo sapiens (Human)

Name: hTERT-RPE1

Synonyms: hTERT RPE1, hTERT-RPE-1, hTERT RPE-1, hTERT-RPE, TERT-RPE1, RPE-1, RPE1, RPE1-hTERT, RPE1-hTert, RPE-hTERT

Cross References: BTO:BTO_0004790, EFO:EFO_0022539, 4DN:4DNSRHGVFSRJ, ATCC:CRL-4000, BioGRID_ORCS_Cell_line:157, BioSample:SAMN03472089, Cell_Model_Passport:SIDM00409, ChEMBL-Cells:ChEMBL3307755, ChEMBL-Targets:ChEMBL615013, GEO:GSM2371252, GEO:GSM7701393, GEO:GSM7701394, PRIDE:PXD004915, PubChem_Cell_line:CVCL_4388, Wikidata:Q54896633

ID: CVCL_4388

Vendor: ATCC

Catalog Number: CRL-4000

Hierarchy: cvcl_b365

Record Creation Time: 20250130T071931+0000

Record Last Update: 20260905T184041+0000

Ratings and Alerts

No rating or validation information has been found for hTERT-RPE1.

No alerts have been found for hTERT-RPE1.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 471 mentions in open access literature.

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

Marmolejo CO, et al. (2026) Precise control of transcription condensates across S phase balances linker histone expression with DNA replication, ensuring genome stability. *Molecular cell*, 86(4), 640.

Lee H, et al. (2026) RB loss modulates chromatin organization by regulating cohesin-dependent loops and enhancer-promoter interactions. *Nature communications*, 17(1).

Paparella AT, et al. (2026) Pharmacologic and Oncohistone Inhibition of SETD2 Converge on Genomic Instability. *Cancers*, 18(5).

van Grinsven EJ, et al. (2026) Microtubule organization and molecular architecture of ciliary basal bodies in multiciliated airway cells. *Current biology : CB*, 36(9), 2285.

Wang Q, et al. (2026) FANCA-dependent FEN1 recruitment suppresses transcription-replication conflicts and PARPi sensitivity. *Molecular cell*.

Shaum JB, et al. (2026) High-throughput ligand diversification to discover chemical inducers of proximity. *Nature chemical biology*.

Cancela S, et al. (2026) Protocol to enhance pre-sexual and sexual differentiation of *Toxoplasma gondii* using retinal cells and intestinal organoid-derived monolayers. *STAR protocols*, 7(1), 104367.

Li S, et al. (2026) Microhomology-mediated end joining acts directly on replication forks to repair single-ended double-strand breaks. *Molecular cell*, 86(7), 1230.

Hurley K, et al. (2026) PARP1 recruits SPRTN to DNA-protein crosslinks through a conserved poly-ADP-ribose binding domain. *bioRxiv : the preprint server for biology*.

Fischer S, et al. (2026) Loss of ADAMTS9 disrupts ciliogenesis and collagen homeostasis resulting in Nephronophthisis-like polycystic kidneys. *bioRxiv : the preprint server for biology*.

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. *Cells*, 15(1).

Raheja M, et al. (2026) A microprotein encoded by FERMT3 modulates endothelial cell protein catabolism and induces cell cycle arrest and senescence. *Cell communication and signaling : CCS*, 24(1).

Rosen EY, et al. (2026) Camonsertib, an ATRi, in Combination with Low-Dose Gemcitabine in Solid Tumors with DNA Damage Response Aberrations: Preclinical and Phase Ib Results. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(8), 1411.

Wang Y, et al. (2026) GPC6 facilitates progression of SHH-subgroup medulloblastoma by enhancing Hedgehog secretion and signaling responses. *Journal of biomedical research*, 40(3), 228.

Guo J, et al. (2026) The cytotoxic effect of prexasertib is a consequence of dual inhibition on both CHK1 and AMPK. *Cell chemical biology*, 33(6), 767.

Mrkacek M, et al. (2026) ORMDL Proteins Turnover via Proteasome and Autophagy Is Cell-Type Dependent and Tied to Ceramide Homeostasis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(6), e71655.

Wagenbach M, et al. (2026) MCAK/Kif2C centromeric activity level tunes K-fiber turnover through distinct pathways. *iScience*, 29(6), 116122.

Mora-Santos M, et al. (2026) hSpindly dynamics modulate spindle assembly checkpoint signaling, promoting resistance to mitotic inhibitors. *iScience*, 29(7), 116312.

Hung HF, et al. (2026) Centrosome linker protein CEP68 modulates cellular stress responses via nuclear condensate formation and HSP27 interaction. *iScience*, 29(7), 116491.

Fujimura E, et al. (2026) A viral ORFeome library for systems-level genetic dissection of host-pathogen interactions. *Cell*.