Resource Summary Report

Generated by NIF on Aug 30, 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: 20260830T001627+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 NIF .

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.

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).

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.

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.

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

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.

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.

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.

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

Jungwirth J, et al. (2026) The Host Cell Factor Phosphatase-2A Subunit PR130 Restricts Replication of Herpes Simplex Virus Type-1. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e23697.

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.