

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pCDNA-3xHA-hTERT

RRID:Addgene_51637

Type: Plasmid

Proper Citation

RRID:Addgene_51637

Plasmid Information

URL: <http://www.addgene.org/51637>

Proper Citation: RRID:Addgene_51637

Insert Name: TERT

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18358808](#)

Vector Backbone Description: Backbone Marker:Invitrogen/Life Technologies; Backbone Size:5500; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene full plasmid sequencing noted a conserved E286D substitution in hTert.

Plasmid Name: pCDNA-3xHA-hTERT

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260815T081615+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA-3xHA-hTERT.

No alerts have been found for pCDNA-3xHA-hTERT.

Data and Source Information

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Sung HW, et al. (2026) Integrated Size-Selective Cell Purification and Electroporation for Genetic Manipulation of Primary Cells. *Micromachines*, 17(3).

Sanford SL, et al. (2025) Chemotherapeutic 6-thio-2'-deoxyguanosine selectively targets and inhibits telomerase by inducing a non-productive telomere-bound telomerase complex. *bioRxiv : the preprint server for biology*.

Mannherz W, et al. (2025) Metabolic constraint of human telomere length by nucleotide salvage efficiency. *Nature communications*, 16(1), 3000.

Bertrand A, et al. (2024) Characterization of novel mutations in the TEL-patch domain of the telomeric factor TPP1 associated with telomere biology disorders. *Human molecular genetics*, 33(7), 612.

Delyon J, et al. (2023) TERT Expression Induces Resistance to BRAF and MEK Inhibitors in BRAF-Mutated Melanoma In Vitro. *Cancers*, 15(11).

Erichsen L, et al. (2023) Derivation of the Immortalized Cell Line UM51-PrePodo-hTERT and Its Responsiveness to Angiotensin II and Activation of the RAAS Pathway. *Cells*, 12(3).

Mannherz W, et al. (2023) Thymidine nucleotide metabolism controls human telomere length. *Nature genetics*, 55(4), 568.

Chakravarti D, et al. (2021) Telomere dysfunction instigates inflammation in inflammatory bowel disease. *Proceedings of the National Academy of Sciences of the United States of America*, 118(29).

Kroustallaki P, et al. (2019) SMUG1 Promotes Telomere Maintenance through Telomerase RNA Processing. *Cell reports*, 28(7), 1690.

Wei J, et al. (2019) Increased expression of NAF1 contributes to malignant phenotypes of glioma cells through promoting protein synthesis and associates with poor patient survival. *Oncogenesis*, 8(4), 25.

Liu YB, et al. (2018) RIF1 promotes human epithelial ovarian cancer growth and progression via activating human telomerase reverse transcriptase expression. *Journal of experimental & clinical cancer research : CR*, 37(1), 182.

Chen RJ, et al. (2017) P53-dependent downregulation of hTERT protein expression and telomerase activity induces senescence in lung cancer cells as a result of pterostilbene treatment. *Cell death & disease*, 8(8), e2985.

Kang HJ, et al. (2016) A Pharmacological Chaperone Molecule Induces Cancer Cell Death by Restoring Tertiary DNA Structures in Mutant hTERT Promoters. *Journal of the American Chemical Society*, 138(41), 13673.

Stockklauser C, et al. (2015) A novel autosomal recessive TERT T1129P mutation in a dyskeratosis congenita family leads to cellular senescence and loss of CD34⁺ hematopoietic stem cells not reversible by mTOR-inhibition. *Aging*, 7(11), 911.