

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pBABE-puro-DN-hTERT

RRID:Addgene_1775

Type: Plasmid

Proper Citation

RRID:Addgene_1775

Plasmid Information

URL: <http://www.addgene.org/1775>

Proper Citation: RRID:Addgene_1775

Insert Name: hTERT

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10502820](https://pubmed.ncbi.nlm.nih.gov/10502820/)

Vector Backbone Description: Backbone Size:5169; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pBABE-puro-DN-hTERT

Relevant Mutation: Dominant negative, 2 base pair mutation, catalytically dead

Record Creation Time: 20220422T222024+0000

Record Last Update: 20260808T081313+0000

Ratings and Alerts

No rating or validation information has been found for pBABE-puro-DN-hTERT.

No alerts have been found for pBABE-puro-DN-hTERT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Liu Y, et al. (2026) A telomerase-SUCLG2 signaling axis drives drug resistance by protecting persister cells. *Cell reports*, 45(7), 117668.

García-Castillo J, et al. (2025) MicroRNA 196a contributes to the aggressiveness of esophageal adenocarcinoma through the MYC/TERT/NF κ B axis. *Molecular oncology*, 19(11), 3305.

James EN, et al. (2025) Membrane transporter progressive ankylosis protein homologue (ANKH/Ank) partially mediates senescence-derived extracellular citrate and is regulated by DNA damage, inflammation, and ageing. *Frontiers in aging*, 6, 1583288.

Bernabé-García M, et al. (2021) Telomerase reverse transcriptase activates transcription of miR500A to inhibit Hedgehog signalling and promote cell invasiveness. *Molecular oncology*, 15(7), 1818.

Ahmad F, et al. (2017) Telomerase reverse transcriptase (TERT) - enhancer of zeste homolog 2 (EZH2) network regulates lipid metabolism and DNA damage responses in glioblastoma. *Journal of neurochemistry*, 143(6), 671.

Mahfouz N, et al. (2017) Gastrointestinal cancer cells treatment with bevacizumab activates a VEGF autoregulatory mechanism involving telomerase catalytic subunit hTERT via PI3K-AKT, HIF-1 α and VEGF receptors. *PloS one*, 12(6), e0179202.

Zhang Z, et al. (2017) Telomerase reverse transcriptase promotes chemoresistance by suppressing cisplatin-dependent apoptosis in osteosarcoma cells. *Scientific reports*, 7(1), 7070.

Patel PL, et al. (2016) Derepression of hTERT gene expression promotes escape from oncogene-induced cellular senescence. *Proceedings of the National Academy of Sciences of the United States of America*, 113(34), E5024.

Ahmad F, et al. (2016) Nrf2-driven TERT regulates pentose phosphate pathway in glioblastoma. *Cell death & disease*, 7(5), e2213.

Polvani S, et al. (2011) Acycloguanosyl 5'-thymidyltriphosphate, a thymidine analogue prodrug activated by telomerase, reduces pancreatic tumor growth in mice. *Gastroenterology*, 140(2), 709.