

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

pBS U3-hTR-500

RRID:Addgene_28170

Type: Plasmid

Proper Citation

RRID:Addgene_28170

Plasmid Information

URL: <http://www.addgene.org/28170>

Proper Citation: RRID:Addgene_28170

Insert Name: U3-hTR-500

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12769858](#)

Vector Backbone Description: Backbone Size:2900; Vector Backbone:pBS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Note that BLAST results bring back one T->C nt change in the TERC, but this is the plasmid used in the associated article.

Plasmid Name: pBS U3-hTR-500

Record Creation Time: 20220422T222127+0000

Record Last Update: 20260808T081510+0000

Ratings and Alerts

No rating or validation information has been found for pBS U3-hTR-500.

No alerts have been found for pBS U3-hTR-500.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

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

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.

Klump BM, et al. (2023) TCAB1 prevents nucleolar accumulation of the telomerase RNA to facilitate telomerase assembly. Cell reports, 42(6), 112577.

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

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

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.