

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

pMKO.1 puro hTERT shRNA

RRID:Addgene_10688

Type: Plasmid

Proper Citation

RRID:Addgene_10688

Plasmid Information

URL: <http://www.addgene.org/10688>

Proper Citation: RRID:Addgene_10688

Insert Name: hTERT shRNA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15928077](#)

Vector Backbone Description: Backbone Size:6700; Vector Backbone:pMKO.1; Vector Types:Mammalian Expression, Retroviral, RNAi; Bacterial Resistance:Ampicillin

Comments: hTERT 3114-3134 (coding region): Forward
TTTCATCAGCAAGTTTGGAttcaagagaTCCAAACTTGCTGATGAAAttttg ; Reverse
aattcaaaaaTTTCATCAGCAAGTTTGGAtctcttgaaTCCAAACTTGCTGATGAAA .

Plasmid Name: pMKO.1 puro hTERT shRNA

Record Creation Time: 20220422T221518+0000

Record Last Update: 20260919T090441+0000

Ratings and Alerts

No rating or validation information has been found for pMKO.1 puro hTERT shRNA.

No alerts have been found for pMKO.1 puro hTERT shRNA.

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 [NIF](#) .

Parulekar A, et al. (2021) SMAR1 suppresses the cancer stem cell population via hTERT repression in colorectal cancer cells. The international journal of biochemistry & cell biology, 141, 106085.

Zhang G, et al. (2018) Induction of Telomere Dysfunction Prolongs Disease Control of Therapy-Resistant Melanoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 24(19), 4771.

El-Badawy A, et al. (2018) Telomerase reverse transcriptase coordinates with the epithelial-to-mesenchymal transition through a feedback loop to define properties of breast cancer stem cells. Biology open, 7(7).

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.

Gonzalez OG, et al. (2014) Telomerase stimulates ribosomal DNA transcription under hyperproliferative conditions. Nature communications, 5, 4599.