

# Resource Summary Report

Generated by [NIF](#) on Jul 30, 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  
TTTCATCAGCAAGTTTGGAttcaagagaTCCAACTTGCTGATGAAAttttg ; Reverse  
aattcaaaaaTTTCATCAGCAAGTTTGGAtctcttgaaTCCAACTTGCTGATGAAA .

**Plasmid Name:** pMKO.1 puro hTERT shRNA

**Record Creation Time:** 20220422T221518+0000

**Record Last Update:** 20260725T073428+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](#)

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## 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.