

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

pMKO.1 puro

RRID:Addgene_8452

Type: Plasmid

Proper Citation

RRID:Addgene_8452

Plasmid Information

URL: <http://www.addgene.org/8452>

Proper Citation: RRID:Addgene_8452

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12649500](#)

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

Comments: Empty MuLV vector for siRNA expression, replaces Retrohair. The 293T cell line can be obtained from the Weinberg lab or GenHunter
<http://genhunter.com/products/aptag-3/index.html>

Plasmid Name: pMKO.1 puro

Record Creation Time: 20220422T222545+0000

Record Last Update: 20260905T080231+0000

Ratings and Alerts

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

No alerts have been found for pMKO.1 puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Lin Y, et al. (2026) Regulatory T cell-derived TGF- β signaling governs the differentiation and maintenance of tumor-infiltrating bystander CD8⁺ T cells. *Cell reports*, 45(4), 117189.

Mogi M, et al. (2026) Pan-cancer analysis of RNA expression signatures associated with cancer tissue architecture. *British journal of cancer*, 134(1), 141.

Gibaut QMR, et al. (2025) FUBP3 enhances HIV-1 transcriptional activity and regulates immune response pathways in T cells. *Molecular therapy. Nucleic acids*, 36(2), 102525.

Mori LP, et al. (2025) The p400 complex promotes HIV-1 latency by suppressing viral transcription and altering the host cell state. *Nucleic acids research*, 53(15).

Tan B, et al. (2025) Diabetes is causally associated with increased breast cancer mortality by inducing FIBCD1 to activate MCM5-mediated cell cycle arrest via modulating H3K27ac. *Cell death & disease*, 16(1), 546.

Zeng B, et al. (2024) Lysine methyltransferase 5C increases the proliferation and metastatic abilities of clear cell renal cell carcinoma via aerobic glycolysis. *International journal of oncology*, 64(4).

Li L, et al. (2024) Comprehensive Proteogenomic Profiling Reveals the Molecular Characteristics of Colorectal Cancer at Distinct Stages of Progression. *Cancer research*, 84(17), 2888.

Wenta T, et al. (2019) HtrA4 Protease Promotes Chemotherapeutic-Dependent Cancer Cell Death. *Cells*, 8(10).

Wozniak DJ, et al. (2017) PTEN is a protein phosphatase that targets active PTK6 and inhibits PTK6 oncogenic signaling in prostate cancer. *Nature communications*, 8(1), 1508.

Yang Z, et al. (2017) Nuclear Envelope Rupture Is Enhanced by Loss of p53 or Rb. *Molecular cancer research : MCR*, 15(11), 1579.

Jagan I, et al. (2013) Rescue of glandular dysmorphogenesis in PTEN-deficient colorectal cancer epithelium by PPAR γ -targeted therapy. *Oncogene*, 32(10), 1305.

Jackson TR, et al. (2013) DNA damage causes TP53-dependent coupling of self-renewal and senescence pathways in embryonal carcinoma cells. *Cell cycle (Georgetown, Tex.)*, 12(3), 430.

Ma CX, et al. (2012) Targeting Chk1 in p53-deficient triple-negative breast cancer is therapeutically beneficial in human-in-mouse tumor models. *The Journal of clinical investigation*, 122(4), 1541.

Deevi R, et al. (2011) PTEN regulates colorectal epithelial apoptosis through Cdc42 signalling. *British journal of cancer*, 105(9), 1313.

Dingwall M, et al. (2011) Retinoic acid-induced Smad3 expression is required for the induction of osteoblastogenesis of mesenchymal stem cells. *Differentiation; research in biological diversity*, 82(2), 57.

Marchildon F, et al. (2010) Transcription factor Smad3 is required for the inhibition of adipogenesis by retinoic acid. *The Journal of biological chemistry*, 285(17), 13274.

McCall CM, et al. (2008) Human immunodeficiency virus type 1 Vpr-binding protein VprBP, a WD40 protein associated with the DDB1-CUL4 E3 ubiquitin ligase, is essential for DNA replication and embryonic development. *Molecular and cellular biology*, 28(18), 5621.

He YJ, et al. (2006) DDB1 functions as a linker to recruit receptor WD40 proteins to CUL4-ROC1 ubiquitin ligases. *Genes & development*, 20(21), 2949.