

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

[pCMV-PTEN](#)

RRID:Addgene_28298

Type: Plasmid

Proper Citation

RRID:Addgene_28298

Plasmid Information

URL: <http://www.addgene.org/28298>

Proper Citation: RRID:Addgene_28298

Insert Name: PTEN

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16456542](#)

Vector Backbone Description: Backbone Size:5000; Vector Backbone:pCMV-2-FLAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV-PTEN

Record Creation Time: 20220422T222127+0000

Record Last Update: 20260725T074527+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-PTEN.

No alerts have been found for pCMV-PTEN.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Nitzsche A, et al. (2021) Paladin is a phosphoinositide phosphatase regulating endosomal VEGFR2 signalling and angiogenesis. EMBO reports, 22(2), e50218.

Peng J, et al. (2018) MicroRNA-26a protects vascular smooth muscle cells against H₂O₂ induced injury through activation of the PTEN/AKT/mTOR pathway. International journal of molecular medicine, 42(3), 1367.

McDiarmid TA, et al. (2018) CRISPR-Cas9 human gene replacement and phenomic characterization in *Caenorhabditis elegans* to understand the functional conservation of human genes and decipher variants of uncertain significance. Disease models & mechanisms, 11(12).

Chen J, et al. (2016) MicroRNA-130a promotes the metastasis and epithelial-mesenchymal transition of osteosarcoma by targeting PTEN. Oncology reports, 35(6), 3285.

Banadakoppa M, et al. (2014) PI3K/Akt pathway restricts epithelial adhesion of *Dr + Escherichia coli* by down-regulating the expression of decay accelerating factor. Experimental biology and medicine (Maywood, N.J.), 239(5), 581.