

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

pcDNA3.1-TK1

RRID:Addgene_100544

Type: Plasmid

Proper Citation

RRID:Addgene_100544

Plasmid Information

URL: <http://www.addgene.org/100544>

Proper Citation: RRID:Addgene_100544

Insert Name: thymidine kinase 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29100421](#)

Vector Backbone Description: Backbone Marker:invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1+; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-TK1

Record Creation Time: 20220422T221448+0000

Record Last Update: 20260912T091337+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-TK1.

No alerts have been found for pcDNA3.1-TK1.

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](#) .

L??rentz S, et al. (2026) SNAT1 (SLC38A1) Is Not the Main Glutamine Transporter in Melanoma, but Controls Metabolism via Glutamine-Dependent Activation of P62 (SQSTM1)/cMYC-Axis. *Cancers*, 18(7).

Dong Z, et al. (2026) Molecular Mechanism of NSUN6-Mediated Epigenetic Modifications in the Malignant Progression of Colorectal Cancer Cells. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(10), e71883.

Blackman SA, et al. (2026) Antibodies blocking PlGF or VEGF interactions with the NRP1 receptor mediate antiproliferative effects. *The Journal of biological chemistry*, 302(6), 111476.

Yuan S, et al. (2025) CYB5R4 sustains endothelial proliferation and ischemia-induced angiogenesis by maintaining RRM2-dependent nucleotide balance. *bioRxiv : the preprint server for biology*.

Wu D, et al. (2025) Optimization of a novel 2+2 BCMA x CD3 bispecific antibody for minimized cytokine release and potent efficacy. *Molecular cancer therapeutics*.

Yeh HW, et al. (2017) Pyrimidine metabolic rate limiting enzymes in poorly-differentiated hepatocellular carcinoma are signature genes of cancer stemness and associated with poor prognosis. *Oncotarget*, 8(44), 77734.