

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

pcDNA3.1-TYMS

RRID:Addgene_100545

Type: Plasmid

Proper Citation

RRID:Addgene_100545

Plasmid Information

URL: <http://www.addgene.org/100545>

Proper Citation: RRID:Addgene_100545

Insert Name: thymidylate synthetase

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-TYMS

Record Creation Time: 20220422T221448+0000

Record Last Update: 20260912T091337+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wallace-Povirk A, et al. (2024) Mitochondrial and Cytosolic One-Carbon Metabolism Is a Targetable Metabolic Vulnerability in Cisplatin-Resistant Ovarian Cancer. *Molecular cancer therapeutics*, 23(6), 809.

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.