

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

pLV-tetO-myc T58A

RRID:Addgene_19763

Type: Plasmid

Proper Citation

RRID:Addgene_19763

Plasmid Information

URL: <http://www.addgene.org/19763>

Proper Citation: RRID:Addgene_19763

Insert Name: c-myc

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18371448](#)

Vector Backbone Description: Backbone Size:9941; Vector Backbone:FUdeltaGW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: From article: A tet-inducible lentivirus called LV-tetO was generated by removing the EcoRI/PacI fragment containing the ubiquitin promoter elements from the FUdeltaGW vector (modified from FUGW by removal of GFP with EcoRI-XbaI and re-creation of the EcoRI site) and replacing it with tetO sequences derived from pTet-Splice by EcoRI/XhoI digestion.cDNAs for c-Myc (T58A mutant), Klf4, Oct4, and Sox2 were isolated from pMIG or pMX vectors and cloned into LV-tetO using a unique EcoRI restriction site.

Plasmid Name: pLV-tetO-myc T58A

Relevant Mutation: T58A

Record Creation Time: 20220422T222047+0000

Record Last Update: 20260808T081355+0000

Ratings and Alerts

No rating or validation information has been found for pLV-tetO-myc T58A.

No alerts have been found for pLV-tetO-myc T58A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Chen HJ, et al. (2025) Metastatic small cell lung cancer arises from TP53/RB1-deficient and MYC overproduction hESC-derived PNECs. eLife, 13.

Afifi MM, et al. (2023) Irreversible cell cycle exit associated with senescence is mediated by constitutive MYC degradation. Cell reports, 42(9), 113079.

Chen HJ, et al. (2023) FORMATION OF MALIGNANT, METASTATIC SMALL CELL LUNG CANCERS THROUGH OVERPRODUCTION OF cMYC PROTEIN IN TP53 AND RB1 DEPLETED PULMONARY NEUROENDOCRINE CELLS DERIVED FROM HUMAN EMBRYONIC STEM CELLS. bioRxiv : the preprint server for biology.

Kharbanda A, et al. (2020) Blocking EGFR palmitoylation suppresses PI3K signaling and mutant KRAS lung tumorigenesis. Science signaling, 13(621).