

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

pcDNA3-FLAG-MTOR-I2500F

RRID:Addgene_69014

Type: Plasmid

Proper Citation

RRID:Addgene_69014

Plasmid Information

URL: <http://www.addgene.org/69014>

Proper Citation: RRID:Addgene_69014

Insert Name: MTOR-I2500F

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24631838](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Activating mutations in MTOR were generated using site-directed mutagenesis on AddGene plasmid 26603 pcDNA3-Flag mTOR wt deposited by Jie Chen lab Vilella-Bach et al J Biol Chem. 1999 Feb 12. 274(7):4266-72.

Plasmid Name: pcDNA3-FLAG-MTOR-I2500F

Relevant Mutation: change Isoleucine 2500 to Phenylalanine

Record Creation Time: 20220422T222429+0000

Record Last Update: 20260902T050016+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-FLAG-MTOR-I2500F.

No alerts have been found for pcDNA3-FLAG-MTOR-I2500F.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Gremke N, et al. (2020) mTOR-mediated cancer drug resistance suppresses autophagy and generates a druggable metabolic vulnerability. Nature communications, 11(1), 4684.