

# Resource Summary Report

Generated by [dkNET](#) on Sep 2, 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](#)

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## 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.