Resource Summary Report

Generated by RRID on Aug 18, 2026

pcDNA3-AU1-mTOR-E2419K

RRID:Addgene_19994
Type: Plasmid

Proper Citation

RRID:Addgene_19994

Plasmid Information

URL: http://www.addgene.org/19994

Proper Citation: RRID:Addgene_19994

Insert Name: mammalian target of rapamycin-E2419K

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:17360675

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

Plasmid Name: pcDNA3-AU1-mTOR-E2419K

Relevant Mutation: Changed Glutamine 2419 to Lysine

Record Creation Time: 20220422T222049+0000

Record Last Update: 20260815T081150+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-AU1-mTOR-E2419K.

No alerts have been found for pcDNA3-AU1-mTOR-E2419K.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Mund R, et al. (2025) Novel Role of the Epstein-Barr Virus Encoded Deubiquitinating Enzyme (BPLF1) in mTOR-Mediated Cell Growth and Proliferation Pathways. Viruses, 17(8).

Booth L, et al. (2021) GZ17-6.02 Interacts With [MEK1/2 and B-RAF Inhibitors] to Kill Melanoma Cells. Frontiers in oncology, 11, 656453.

Okada K, et al. (2018) FLT3-ITD induces expression of Pim kinases through STAT5 to confer resistance to the PI3K/Akt pathway inhibitors on leukemic cells by enhancing the mTORC1/Mcl-1 pathway. Oncotarget, 9(10), 8870.

Rajala A, et al. (2018) Constitutive Activation Mutant mTOR Promote Cone Survival in Retinitis Pigmentosa Mice. Advances in experimental medicine and biology, 1074, 491.

Palmieri M, et al. (2017) mTORC1-independent TFEB activation via Akt inhibition promotes cellular clearance in neurodegenerative storage diseases. Nature communications, 8, 14338.