Resource Summary Report

Generated by RRID on Aug 27, 2026

pcDNA3-Flag mTOR wt

RRID:Addgene_26603
Type: Plasmid

Proper Citation

RRID:Addgene_26603

Plasmid Information

URL: http://www.addgene.org/26603

Proper Citation: RRID:Addgene_26603

Insert Name: mTOR

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:9933627

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

Plasmid Name: pcDNA3-Flag mTOR wt

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260815T081254+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-Flag mTOR wt.

No alerts have been found for pcDNA3-Flag mTOR wt.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Park SJ, et al. (2026) Mechanism by which a linoleic acid metabolite suppresses cancer cell growth by inhibiting mTOR. Cell chemical biology, 33(5), 637.

Fernandes SA, et al. (2025) The tumor suppressor CYLD acts as a deubiquitinase for mTOR to constrain its activity. bioRxiv : the preprint server for biology.

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).

Kundu S, et al. (2025) p62/SQSTM1 signaling nexus and orchestration of ERK and mTOR pathways are crucial for Bacoside A- induced autophagy-mediated apoptosis in chronic myelogenous leukemia. Archives of pharmacal research.

Lv J, et al. (2025) Pifithrin-? sensitizes mTOR-activated liver cancer to sorafenib treatment. Cell death & disease, 16(1), 42.

Li Y, et al. (2025) Lactylation of mTOR enhances autophagy in skeletal muscle during exercise. Cell chemical biology, 32(11), 1367.

Liu AC, et al. (2024) Clinical and functional studies of MTOR variants in Smith-Kingsmore syndrome reveal deficits of circadian rhythm and sleep-wake behavior. HGG advances, 5(4), 100333.

Liu HJ, et al. (2023) mTORC1 upregulates B7-H3/CD276 to inhibit antitumor T cells and drive tumor immune evasion. Nature communications, 14(1), 1214.

Nicastro R, et al. (2023) Malonyl-CoA is a conserved endogenous ATP-competitive mTORC1 inhibitor. Nature cell biology, 25(9), 1303.

Krochmalnek E, et al. (2023) mTOR Pathway Somatic Pathogenic Variants in Focal Malformations of Cortical Development: Novel Variants, Topographic Mapping, and Clinical Outcomes. Neurology. Genetics, 9(6), e200103.

Zhang S, et al. (2023) Lysosomal TMEM9-LAMTOR4-controlled mTOR signaling integrity is required for mammary tumorigenesis. Cancer communications (London, England), 43(1), 159.

Li TY, et al. (2023) Lysosomes mediate the mitochondrial UPR via mTORC1-dependent ATF4 phosphorylation. Cell discovery, 9(1), 92.

Fujita A, et al. (2023) An integrated genetic analysis of epileptogenic brain malformed lesions. Acta neuropathologica communications, 11(1), 33.

Yu Z, et al. (2022) Interactions between mTORC2 core subunits Rictor and mSin1 dictate selective and context-dependent phosphorylation of substrate kinases SGK1 and Akt. The Journal of biological chemistry, 298(9), 102288.

Zhang H, et al. (2021) Rhein Suppresses Colorectal Cancer Cell Growth by Inhibiting the mTOR Pathway In Vitro and In Vivo. Cancers, 13(9).

Besterman AD, et al. (2021) Functional and structural analyses of novel Smith-Kingsmore Syndrome-Associated MTOR variants reveal potential new mechanisms and predictors of pathogenicity. PLoS genetics, 17(7), e1009651.

Nüchel J, et al. (2021) An mTORC1-GRASP55 signaling axis controls unconventional secretion to reshape the extracellular proteome upon stress. Molecular cell, 81(16), 3275.

Ganner A, et al. (2021) VHL suppresses RAPTOR and inhibits mTORC1 signaling in clear cell renal cell carcinoma. Scientific reports, 11(1), 14827.

Senoo H, et al. (2021) KARATE: PKA-induced KRAS4B-RHOA-mTORC2 supercomplex phosphorylates AKT in insulin signaling and glucose homeostasis. Molecular cell, 81(22), 4622.

Yeh CH, et al. (2020) Loss of FBXW7-mediated degradation of BRAF elicits resistance to BET inhibitors in adult T cell leukemia cells. Molecular cancer, 19(1), 139.