

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.

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

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.

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.

Xiao B, et al. (2020) Rheb1-Independent Activation of mTORC1 in Mammary Tumors Occurs through Activating Mutations in mTOR. *Cell reports*, 31(4), 107571.