

Resource Summary Report

Generated by [kravitz2](#) on Aug 25, 2026

[myc-Raptor](#)

RRID:Addgene_1859

Type: Plasmid

Proper Citation

RRID:Addgene_1859

Plasmid Information

URL: <http://www.addgene.org/1859>

Proper Citation: RRID:Addgene_1859

Insert Name: Raptor

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15268862](#)

Vector Backbone Description: Backbone Marker:BD Pharmingen; Backbone Size:4754; Vector Backbone:pRK-5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: myc-Raptor

Record Creation Time: 20220422T222041+0000

Record Last Update: 20260826T041309+0000

Ratings and Alerts

No rating or validation information has been found for myc-Raptor.

No alerts have been found for myc-Raptor.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

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).

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

Chawsheen MA, et al. (2021) mTOR modulates resistance to gemcitabine in lung cancer in an MTORC2 dependent mechanism. *Cellular signalling*, 81, 109934.

Romero-Pozuelo J, et al. (2020) Cdk4 and Cdk6 Couple the Cell-Cycle Machinery to Cell Growth via mTORC1. *Cell reports*, 31(2), 107504.

Blázquez C, et al. (2020) Inhibition of striatonigral autophagy as a link between cannabinoid intoxication and impairment of motor coordination. *eLife*, 9.

Carretero-Ortega J, et al. (2019) GIPC proteins negatively modulate Plexind1 signaling during vascular development. *eLife*, 8.

Seo SU, et al. (2018) mTORC1/2 inhibitor and curcumin induce apoptosis through lysosomal membrane permeabilization-mediated autophagy. *Oncogene*, 37(38), 5205.

Liu D, et al. (2018) Cardiac natriuretic peptides promote adipose 'browning' through mTOR complex-1. *Molecular metabolism*, 9, 192.

Carbonneau M, et al. (2016) The oncometabolite 2-hydroxyglutarate activates the mTOR signalling pathway. *Nature communications*, 7, 12700.

Manifava M, et al. (2016) Dynamics of mTORC1 activation in response to amino acids. *eLife*, 5.

Hao F, et al. (2016) The PtdIns3-phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. *FEBS letters*, 590(1), 161.

Verma R, et al. (2015) The endosomal sorting complex required for transport pathway mediates chemokine receptor CXCR4-promoted lysosomal degradation of the mammalian target of rapamycin antagonist DEPTOR. *The Journal of biological chemistry*, 290(11), 6810.

Robles-Molina E, et al. (2014) G?? interacts with mTOR and promotes its activation. *Biochemical and biophysical research communications*, 444(2), 218.

März AM, et al. (2013) Large FK506-binding proteins shape the pharmacology of rapamycin. *Molecular and cellular biology*, 33(7), 1357.

Wippich F, et al. (2013) Dual specificity kinase DYRK3 couples stress granule condensation/dissolution to mTORC1 signaling. *Cell*, 152(4), 791.

Langlais P, et al. (2011) The identification of raptor as a substrate for p44/42 MAPK. *Endocrinology*, 152(4), 1264.

Fujishita T, et al. (2011) JNK signaling promotes intestinal tumorigenesis through activation of mTOR complex 1 in Apc(?716) mice. *Gastroenterology*, 140(5), 1556.

Ramírez-Rangel I, et al. (2011) Regulation of mTORC1 complex assembly and signaling by GRp58/ERp57. *Molecular and cellular biology*, 31(8), 1657.

Dunlop EA, et al. (2011) ULK1 inhibits mTORC1 signaling, promotes multisite Raptor phosphorylation and hinders substrate binding. *Autophagy*, 7(7), 737.