

Resource Summary Report

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

pLKO mouse shRNA 1 rictor

RRID:Addgene_21341

Type: Plasmid

Proper Citation

RRID:Addgene_21341

Plasmid Information

URL: <http://www.addgene.org/21341>

Proper Citation: RRID:Addgene_21341

Insert Name: rictor shRNA 1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19150980](#)

Vector Backbone Description: Backbone Marker:Available from Addgene; Backbone Size:7032; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: mouse rictor shRNA 1 shRNA oligo sequence is 5'-CCGGGCCAGTAAGATGGGAATCATTCTCGAGAATGATTCCCATCTTACTGGCTTTTGTG-3'

Plasmid Name: pLKO mouse shRNA 1 rictor

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260815T081202+0000

Ratings and Alerts

No rating or validation information has been found for pLKO mouse shRNA 1 rictor.

No alerts have been found for pLKO mouse shRNA 1 rictor.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Ono Y, et al. (2022) mTORC2 suppresses cell death induced by hypo-osmotic stress by promoting sphingomyelin transport. The Journal of cell biology, 221(4).

Wang Y, et al. (2019) Mechanism of Regulation of Big-Conductance Ca²⁺-Activated K⁺ Channels by mTOR Complex 2 in Podocytes. Frontiers in physiology, 10, 167.

Norambuena A, et al. (2018) A novel lysosome-to-mitochondria signaling pathway disrupted by amyloid- β oligomers. The EMBO journal, 37(22).

Harwood FC, et al. (2018) ETV7 is an essential component of a rapamycin-insensitive mTOR complex in cancer. Science advances, 4(9), eaar3938.

Creus-Muncunill J, et al. (2018) Increased Levels of Rictor Prevent Mutant Huntingtin-Induced Neuronal Degeneration. Molecular neurobiology, 55(10), 7728.

Norambuena A, et al. (2017) mTOR and neuronal cell cycle reentry: How impaired brain insulin signaling promotes Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 13(2), 152.

Srinivas KP, et al. (2016) DEPTOR promotes survival of cervical squamous cell carcinoma cells and its silencing induces apoptosis through downregulating PI3K/AKT and by up-regulating p38 MAP kinase. Oncotarget, 7(17), 24154.

Zidek LM, et al. (2015) Deficiency in mTORC1-controlled C/EBP β -mRNA translation improves metabolic health in mice. EMBO reports, 16(8), 1022.

Hong-Brown LQ, et al. (2011) Alcohol-induced modulation of rictor and mTORC2 activity in C2C12 myoblasts. Alcoholism, clinical and experimental research, 35(8), 1445.