

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

pLKO mouse shRNA 1 DEPTOR

RRID:Addgene_21337

Type: Plasmid

Proper Citation

RRID:Addgene_21337

Plasmid Information

URL: <http://www.addgene.org/21337>

Proper Citation: RRID:Addgene_21337

Insert Name: DEPTOR shRNA 1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19446321](#)

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 DEPTOR shRNA 1 TRCN0000110157; NM_145470.1-1164s1c1 shRNA oligo sequence is - 5'-CCGGCGCAAGGAAGACATTACGATCTCGAGATCG TGAATGTCTTCCTTGCGTTTTTG

Plasmid Name: pLKO mouse shRNA 1 DEPTOR

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260808T081409+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Song HI, et al. (2016) PLD1 regulates adipogenic differentiation through mTOR - IRS-1 phosphorylation at serine 636/639. Scientific reports, 6, 36968.

González-Terán B, et al. (2016) p38 γ and δ promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. Nature communications, 7, 10477.

Kazi AA, et al. (2011) Deptor knockdown enhances mTOR Activity and protein synthesis in myocytes and ameliorates disuse muscle atrophy. Molecular medicine (Cambridge, Mass.), 17(9-10), 925.